

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040720.D
 Acq On : 27 Sep 2023 8:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 28 01:42:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/28/2023
 Supervised By : Mahesh Dadoda 09/28/2023

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

Internal Standards						
1) Bromochloromethane	5.173	49	1296358	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.632	114	3563524	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	3375324m	10.000	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	2404764	9.221	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	2497041	8.742	ppbv	100
3) Chlorodifluoromethane	2.668	51	1908217	9.036	ppbv	95
4) Chloromethane	2.806	50	773195	9.563	ppbv	97
5) Vinyl Chloride	2.912	62	851396	8.910	ppbv	96
6) Bromomethane	3.108	94	419233	9.093	ppbv	98
7) Chloroethane	3.186	64	303520	9.248	ppbv	96
8) Dichlorotetrafluoroethane	2.851	85	2050736	8.697	ppbv	100
9) Propene	2.687	41	617403	10.148	ppbv	96
10) Heptane	7.555	43	1596809	11.648	ppbv	98
11) Trichlorofluoromethane	3.549	101	2019072	8.041	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1573894	8.763	ppbv	99
13) Ethanol	3.227	45	160553m	8.916	ppbv	
14) Bromoethene	3.356	108	667364	8.858	ppbv	99
15) Acetone	3.456	43	1436203	8.399	ppbv	98
16) 1,3-Butadiene	2.977	39	756885	10.157	ppbv	96
17) tert-Butyl alcohol	3.867	59	1498215	8.554	ppbv	98
18) 1,1-Dichloroethene	3.867	96	704384	8.823	ppbv	97
19) Isopropyl Alcohol	3.565	45	870424	8.448	ppbv	99
20) Methylene Chloride	3.919	84	649788m	7.060	ppbv	
21) Allyl Chloride	3.983	41	1039110	9.916	ppbv	96
22) trans-1,2-Dichloroethene	4.430	96	761272	9.644	ppbv	98
23) Vinyl Acetate	4.610	43	1871454	10.583	ppbv	99
24) 1,1-Dichloroethane	4.546	63	1530582	9.249	ppbv	99
25) Ethyl Acetate	5.185	43	2829268	10.259	ppbv	99
26) Hexane	5.195	57	1324666	10.158	ppbv	91
27) Carbon Disulfide	4.108	76	1861568	10.237	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	1162298	10.359	ppbv	99
29) Chloroform	5.256	83	2067997	9.185	ppbv	99
30) Cyclohexane	6.578	84	1117190	11.376	ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	1300819	10.752	ppbv	93
32) 1,1,1-Trichloroethane	5.983	97	2047837	8.896	ppbv	99
34) 2-Butanone	4.771	43	1706874	9.524	ppbv	97
35) Carbon Tetrachloride	6.472	117	2100677	8.585	ppbv	97
36) Benzene	6.349	78	2786908	10.561	ppbv	95
37) 1,2-Dichloroethane	5.787	62	1519023	8.411	ppbv	98
38) Trichloroethene	7.269	130	1087713	10.809	ppbv	97
39) 1,2-Dichloropropane	7.050	63	1044192	10.280	ppbv	94
40) 1,4-Dioxane	7.263	88	426221	11.100	ppbv #	98
41) Tetrahydrofuran	5.536	42	1037446	11.289	ppbv	99
42) Bromodichloromethane	7.227	83	2292563	9.303	ppbv	99
43) Methyl Methacrylate	7.449	69	1133075	11.552	ppbv	96
44) 2,2,4-Trimethylpentane	7.304	57	4495811	10.700	ppbv	97
45) t-1,3-Dichloropropene	8.684	75	986092	12.965	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040720.D
 Acq On : 27 Sep 2023 8:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023

Quant Time: Sep 28 01:42:31 2023

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

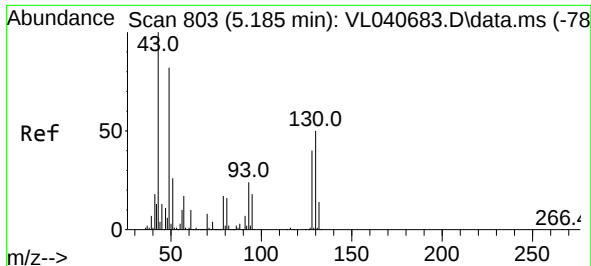
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

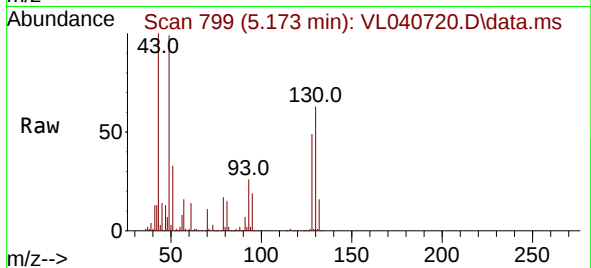
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1151004	12.369	ppbv	95
47) 1,1,2-Trichloroethane	8.873	97	1157073	9.926	ppbv	97
48) Dibromochloromethane	9.680	129	1964473	10.216	ppbv	99
49) Bromoform	12.378	173	1626951	10.302	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2579216	10.650	ppbv	97
51) 2-Hexanone	9.526	43	1855633	11.102	ppbv #	93
52) Tetrachloroethene	10.590	164	988488	11.484	ppbv	96
53) Toluene	9.195	91	3213381	11.534	ppbv	100
54) 1,2-Dibromoethane	9.983	107	1653139	11.111	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.481	131	1439518	8.947	ppbv	98
57) Chlorobenzene	11.500	112	2496751	9.768	ppbv	99
58) Ethyl Benzene	12.063	91	4263178	11.078	ppbv	99
59) m/p-Xylene	12.346	91	7207444m	19.946	ppbv	
60) o-Xylene	13.031	91	3455467	10.027	ppbv	99
61) Styrene	12.870	104	1819971	12.601	ppbv	97
62) Isopropylbenzene	14.002	105	5032803	9.673	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.021	83	2482460	9.191	ppbv	99
64) n-propylbenzene	14.892	120	1351643	10.390	ppbv	92
65) tert-Butylbenzene	16.063	119	4476112	9.585	ppbv	95
66) Benzyl Chloride	16.298	91	576423	10.576	ppbv	98
67) sec-Butylbenzene	16.606	105	6246321	9.343	ppbv	98
69) p-Isopropyltoluene	16.970	119	5129283	9.762	ppbv	98
70) n-Butylbenzene	17.860	91	5437105	9.402	ppbv	99
71) 2-Chlorotoluene	14.777	91	3886955	10.097	ppbv	97
72) 4-Ethyltoluene	15.166	105	4011794	10.381	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	3474025	9.984	ppbv	97
74) 1,2,4-Trimethylbenzene	16.079	105	3874049	9.133	ppbv	96
75) 1,3-Dichlorobenzene	16.304	146	2284593	9.452	ppbv	98
76) 1,4-Dichlorobenzene	16.445	146	2230323	9.378	ppbv	98
77) 1,2-Dichlorobenzene	17.114	146	2208979	9.176	ppbv	98
78) Hexachloro-1,3-Butadiene	22.606	225	1524091	8.367	ppbv	99
79) Naphthalene	21.355	128	3112217	11.790	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	824107	12.746	ppbv	96
81) 1,2,4-Trichlorobenzene	21.114	180	1648369	9.560	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. -0.025 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

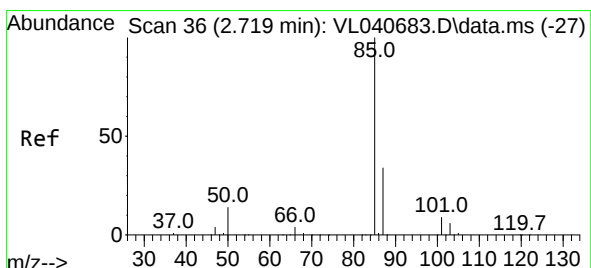
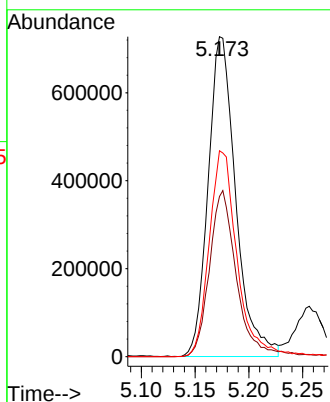
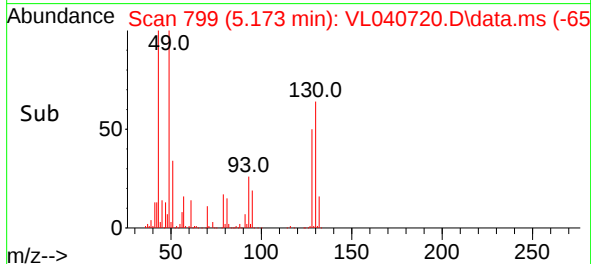
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



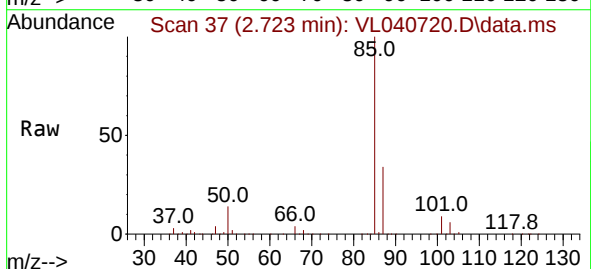
Tgt Ion: 49 Resp: 1296358
Ion Ratio Lower Upper
49 100
128 51.6 25.4 76.0
130 65.7 32.3 96.8

Manual Integrations
APPROVED

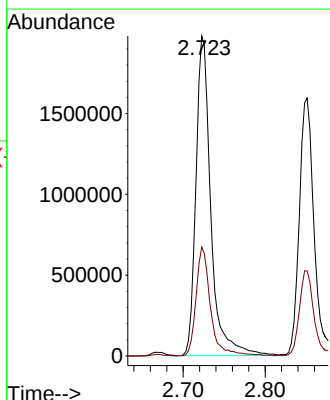
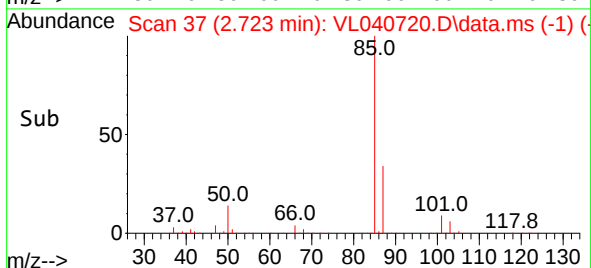
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

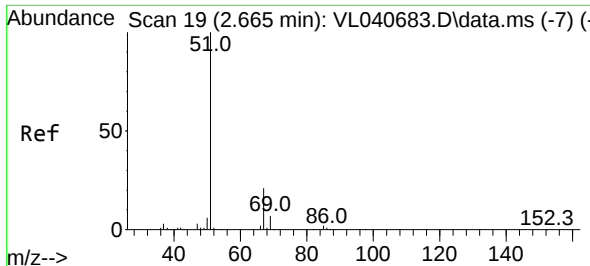


#2
Dichlorodifluoromethane
Concen: 8.742 ppbv
RT: 2.723 min Scan# 37
Delta R.T. -0.009 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



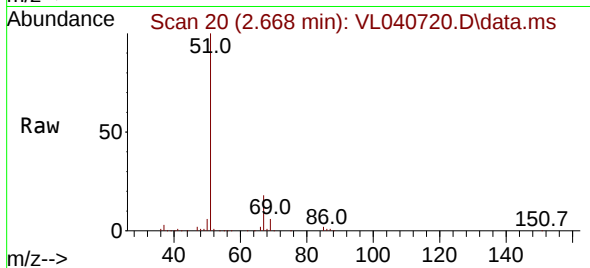
Tgt Ion: 85 Resp: 2497041
Ion Ratio Lower Upper
85 100
87 34.1 27.2 40.8





#3
Chlorodifluoromethane
Concen: 9.036 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

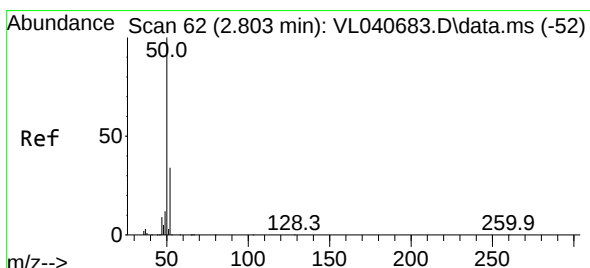
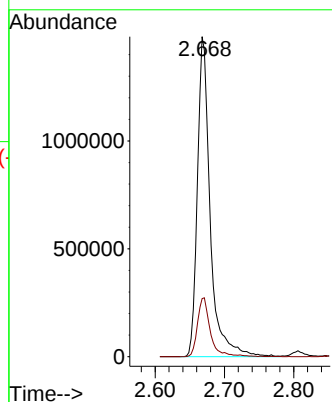
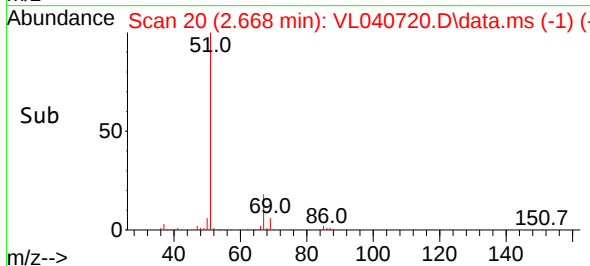
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 190821
Ion Ratio Lower Upper
51 100
67 18.7 16.7 25.1

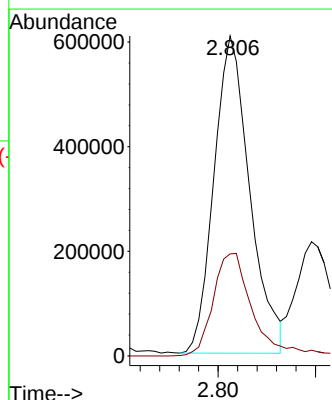
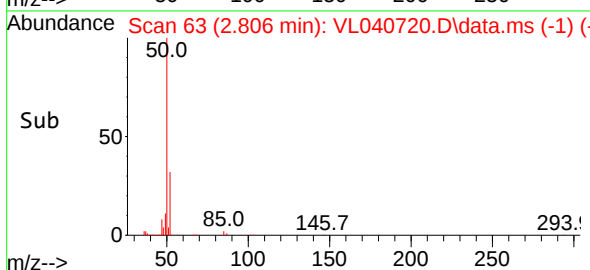
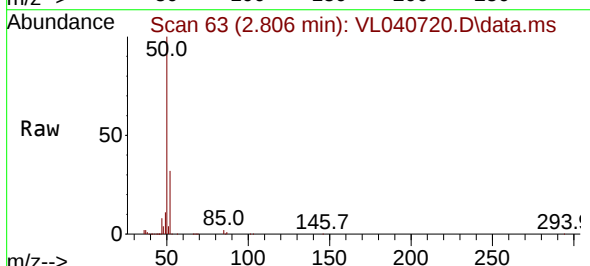
Manual Integrations
APPROVED

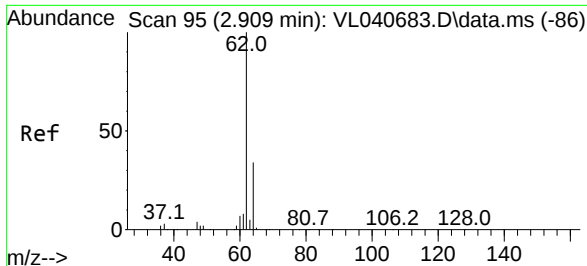
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#4
Chloromethane
Concen: 9.563 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.009 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 50 Resp: 773195
Ion Ratio Lower Upper
50 100
52 32.1 27.1 40.7





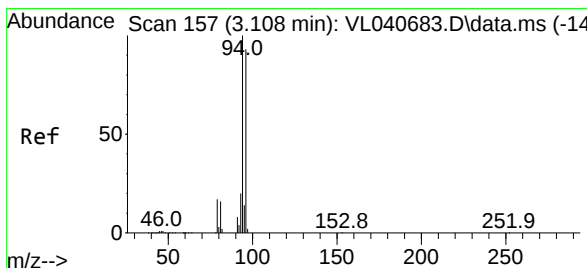
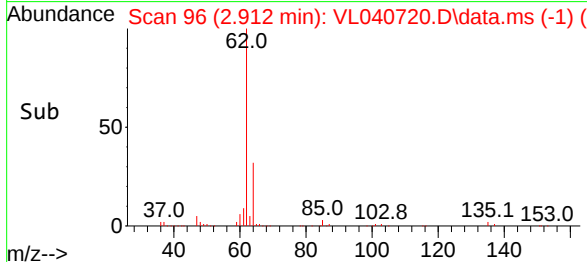
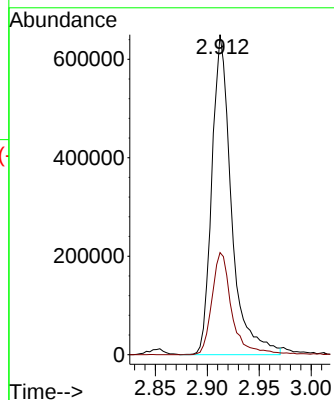
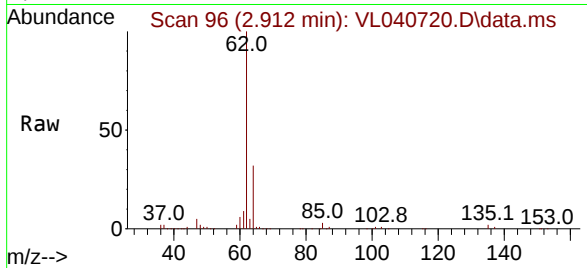
#5
 Vinyl Chloride
 Concen: 8.910 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. -0.013 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 851390
 Ion Ratio Lower Upper
 62 100
 64 31.9 27.2 40.8

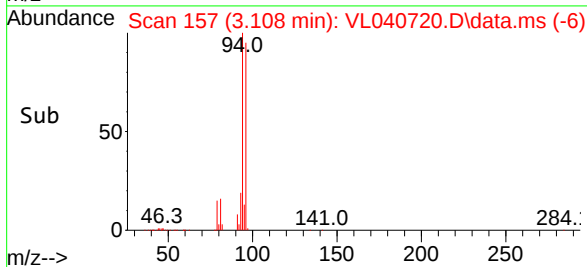
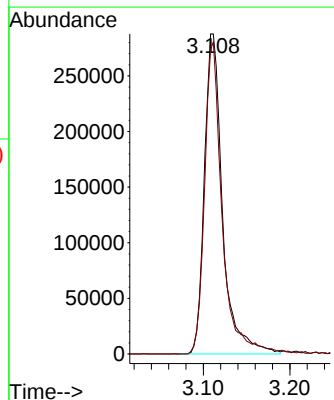
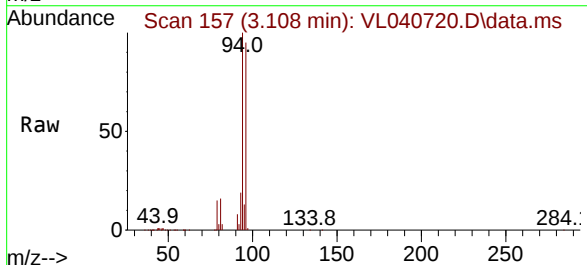
Manual Integrations
 APPROVED

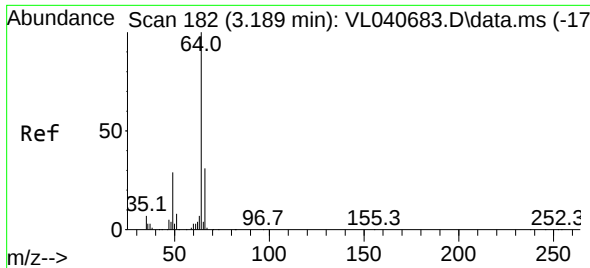
Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023



#6
 Bromomethane
 Concen: 9.093 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.016 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

Tgt Ion: 94 Resp: 419233
 Ion Ratio Lower Upper
 94 100
 96 95.2 74.4 111.6





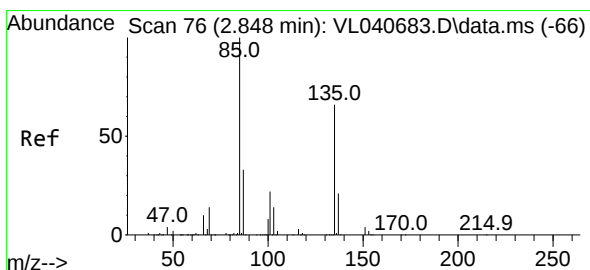
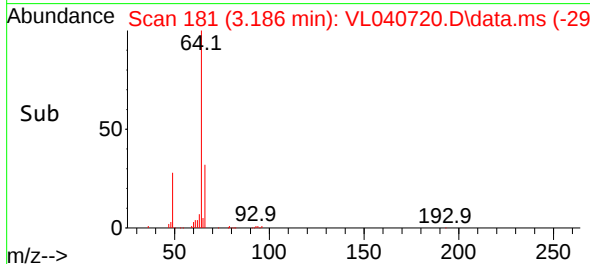
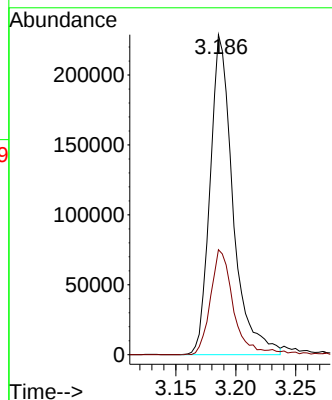
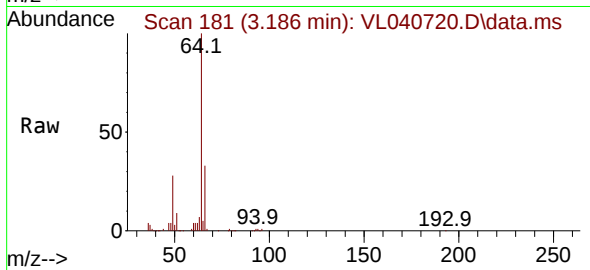
#7
Chloroethane
Concen: 9.248 ppbv
RT: 3.186 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 303520
Ion Ratio Lower Upper
64 100
66 32.8 24.5 36.7

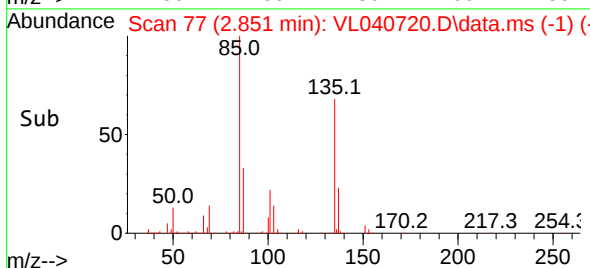
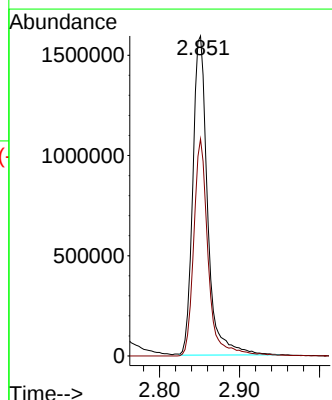
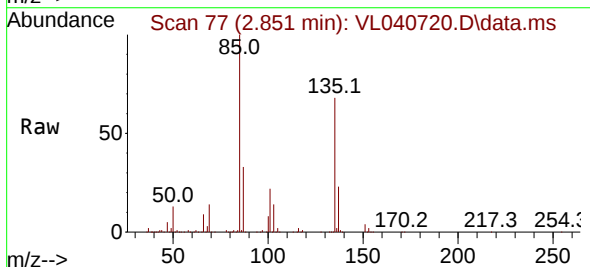
Manual Integrations
APPROVED

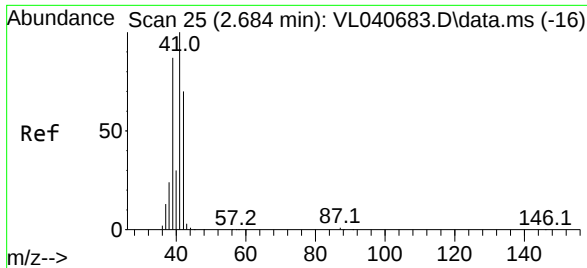
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#8
Dichlorotetrafluoroethane
Concen: 8.697 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.009 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

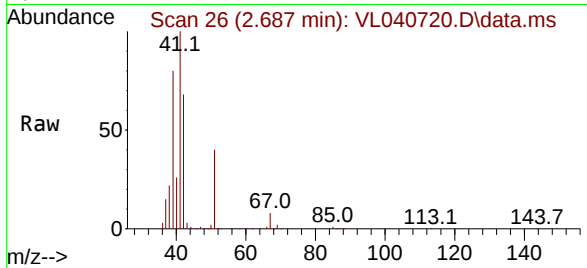
Tgt Ion: 85 Resp: 2050736
Ion Ratio Lower Upper
85 100
135 66.8 53.4 80.2





#9
 Propene
 Concen: 10.148 ppbv
 RT: 2.687 min Scan# 20
 Delta R.T. -0.009 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

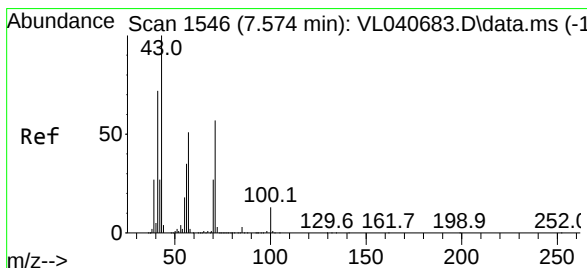
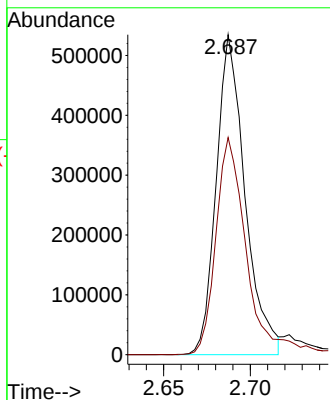
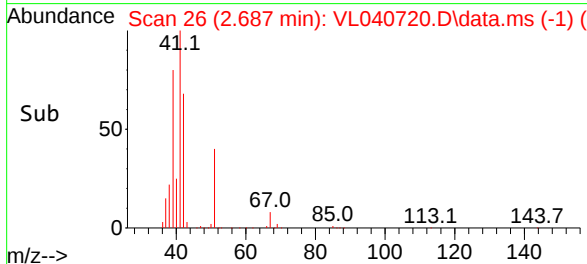
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



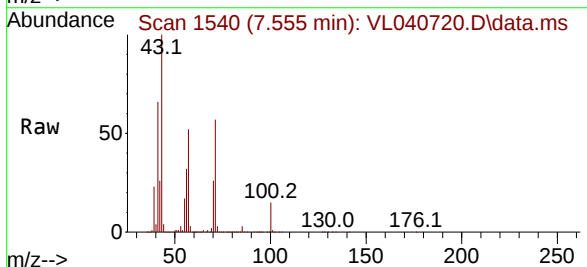
Tgt Ion: 41 Resp: 61740
 Ion Ratio Lower Upper
 41 100
 42 74.0 56.7 85.1

Manual Integrations
 APPROVED

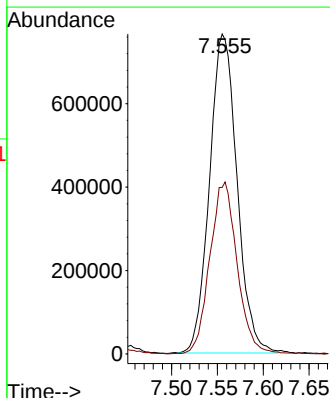
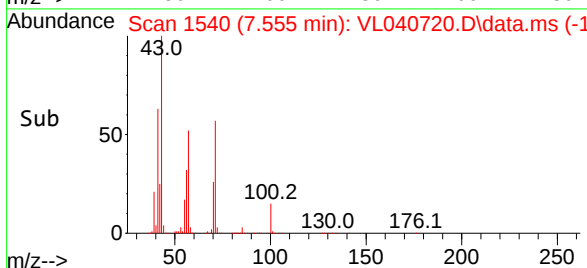
Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023

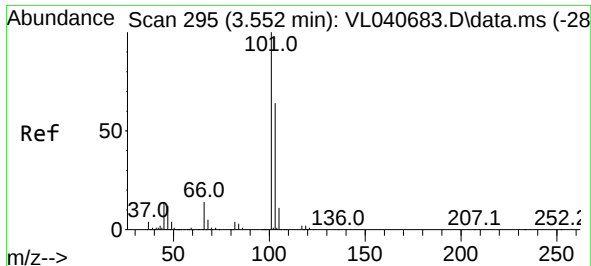


#10
 Heptane
 Concen: 11.648 ppbv
 RT: 7.555 min Scan# 1540
 Delta R.T. -0.032 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57



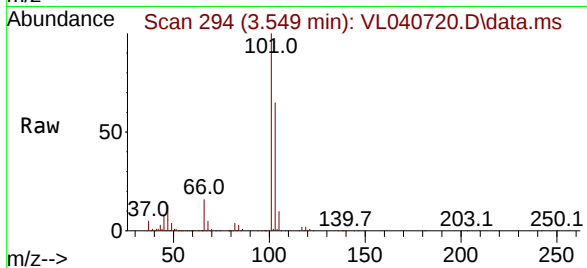
Tgt Ion: 43 Resp: 1596809
 Ion Ratio Lower Upper
 43 100
 57 53.8 41.8 62.6





#11
Trichlorofluoromethane
Concen: 8.041 ppbv
RT: 3.549 min Scan# 295
Delta R.T. -0.019 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

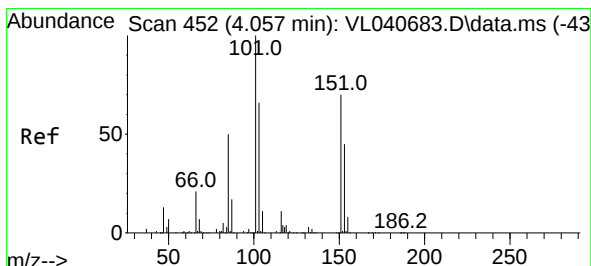
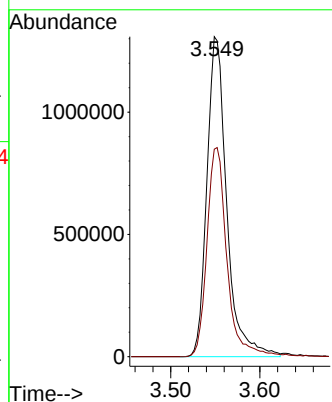
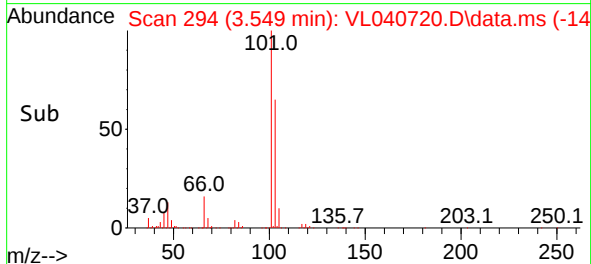
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:101 Resp: 2019072
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

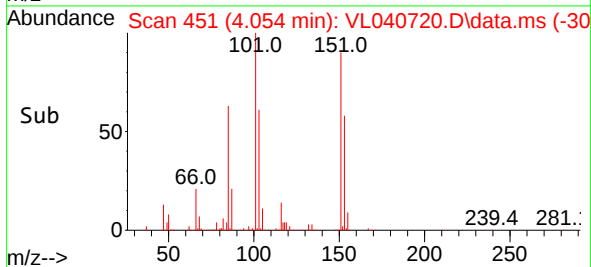
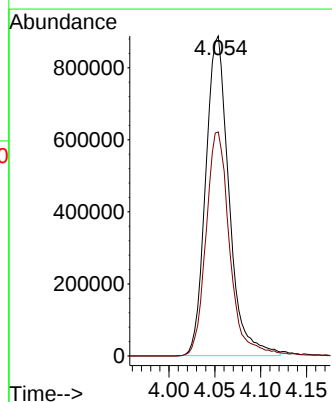
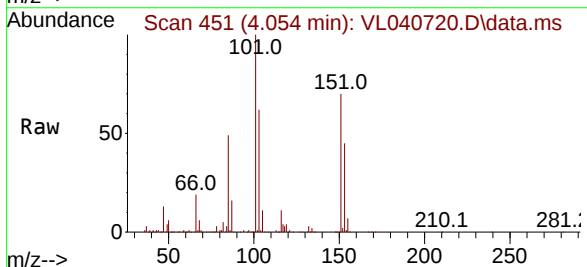
Manual Integrations
APPROVED

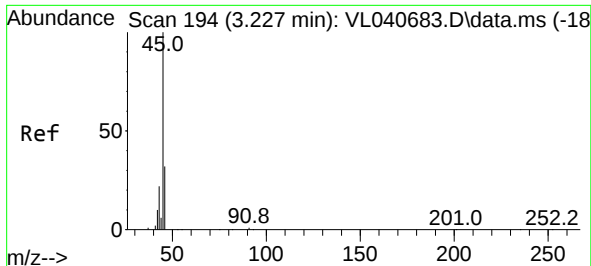
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.763 ppbv
RT: 4.054 min Scan# 451
Delta R.T. -0.019 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

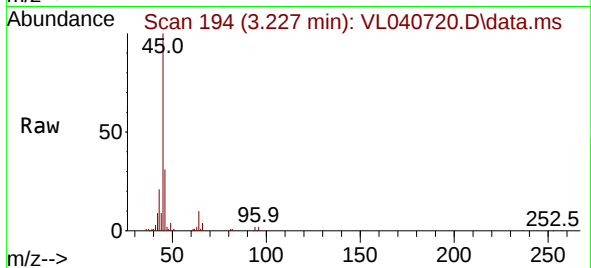
Tgt Ion:101 Resp: 1573894
Ion Ratio Lower Upper
101 100
151 71.6 56.8 85.2





#13
Ethanol
Concen: 8.916 ppbv m
RT: 3.227 min Scan# 194
Delta R.T. -0.016 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

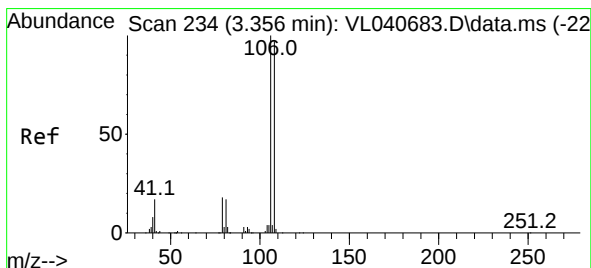
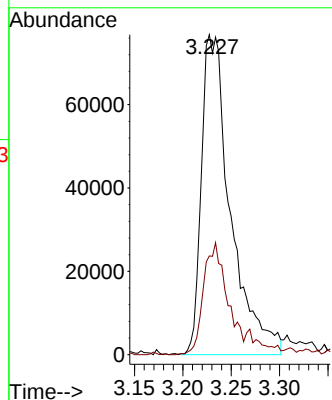
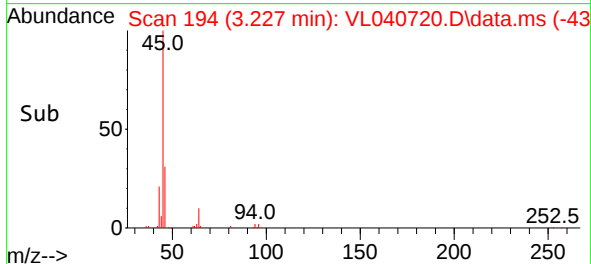
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



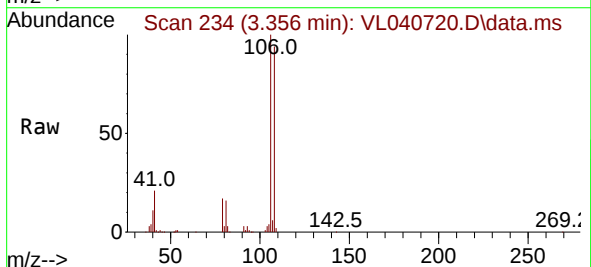
Tgt Ion: 45 Resp: 16055
Ion Ratio Lower Upper
45 100
46 34.4 15.2 61.0

Manual Integrations
APPROVED

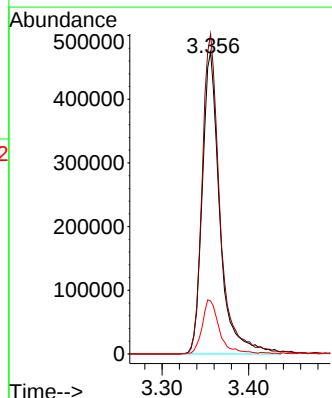
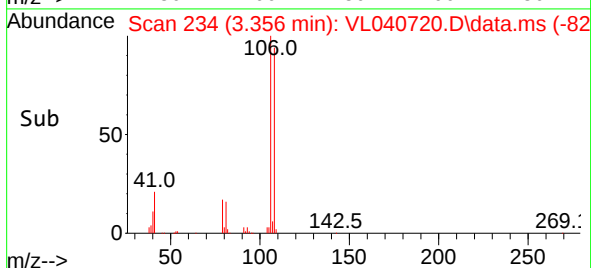
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

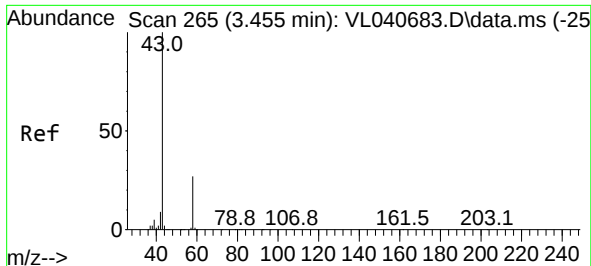


#14
Bromoethene
Concen: 8.858 ppbv
RT: 3.356 min Scan# 234
Delta R.T. -0.013 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



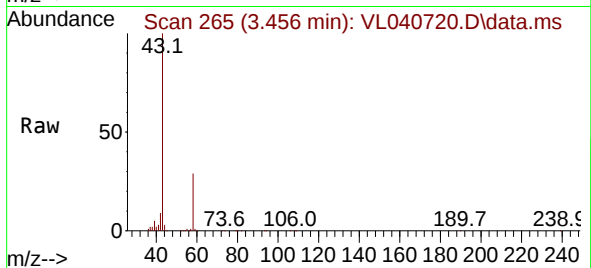
Tgt Ion:108 Resp: 667364
Ion Ratio Lower Upper
108 100
106 108.0 86.0 129.0
79 18.2 15.6 23.4





#15
Acetone
Concen: 8.399 ppbv
RT: 3.456 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

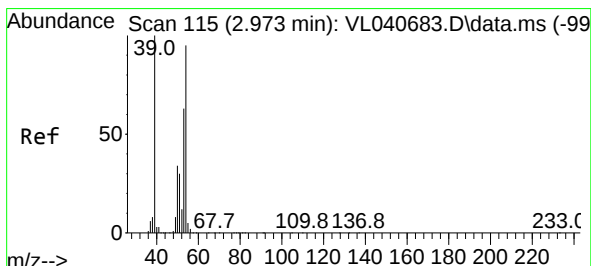
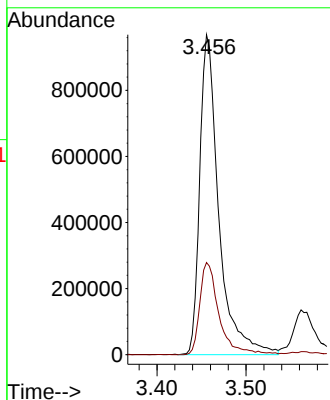
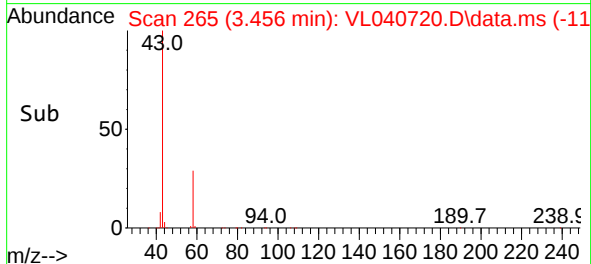
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



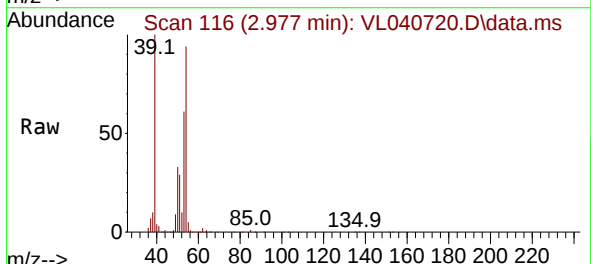
Tgt Ion: 43 Resp: 143620
Ion Ratio Lower Upper
43 100
58 29.1 22.6 34.0

Manual Integrations
APPROVED

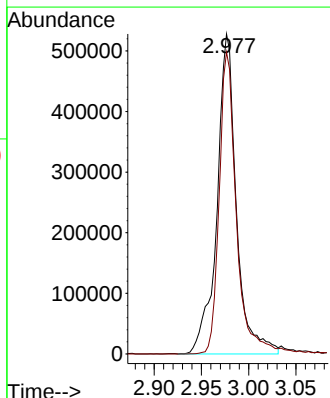
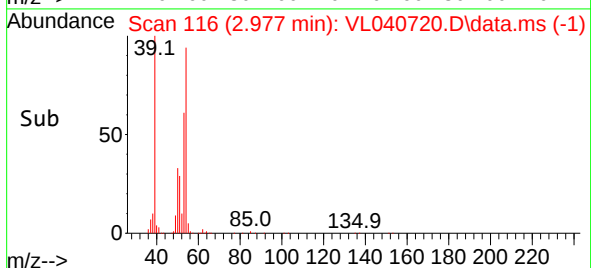
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

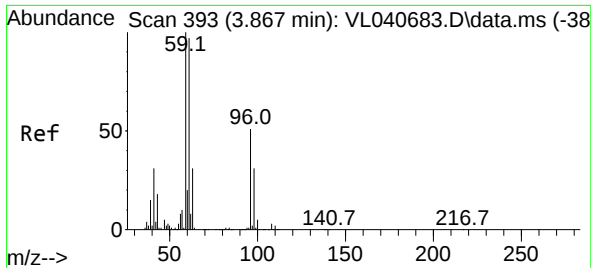


#16
1,3-Butadiene
Concen: 10.157 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.013 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



Tgt Ion: 39 Resp: 756885
Ion Ratio Lower Upper
39 100
54 84.5 64.8 97.2





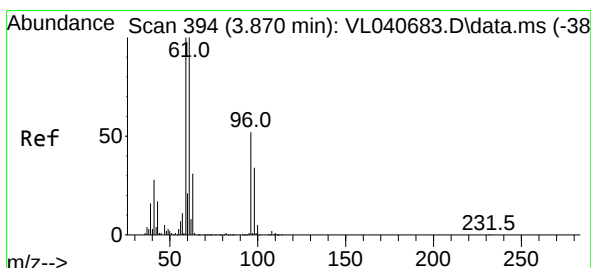
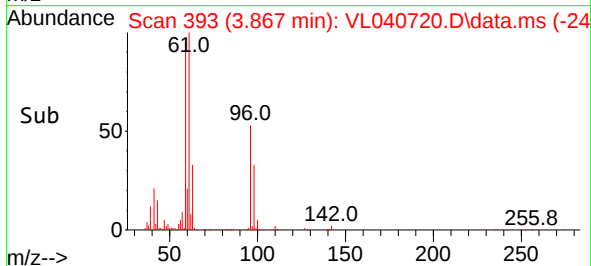
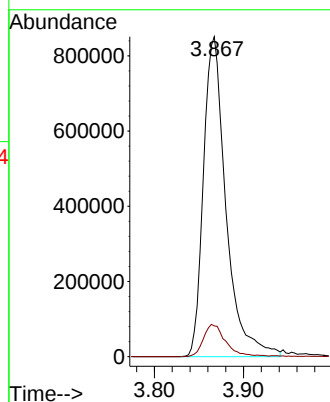
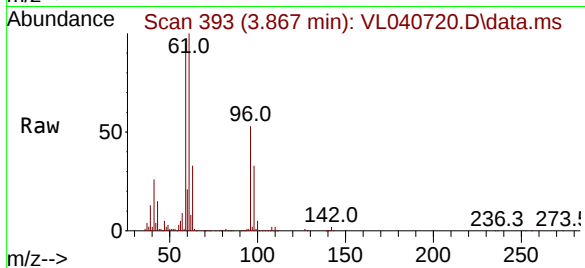
#17
tert-Butyl alcohol
Concen: 8.554 ppbv
RT: 3.867 min Scan# 393
Delta R.T. -0.016 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 1498215
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

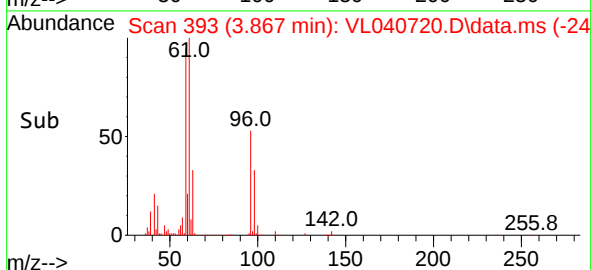
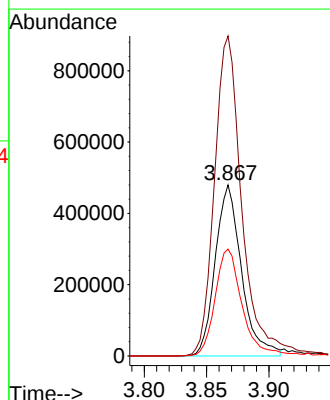
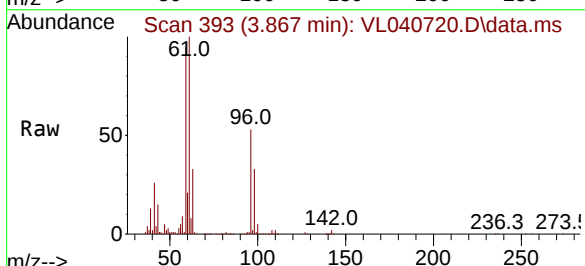
Manual Integrations
APPROVED

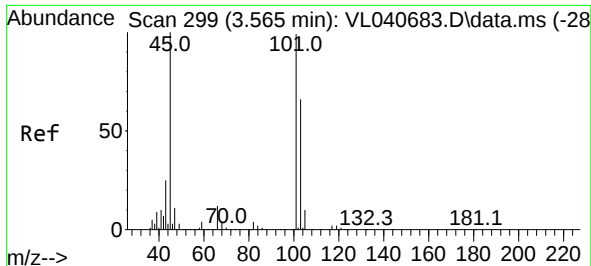
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#18
1,1-Dichloroethene
Concen: 8.823 ppbv
RT: 3.867 min Scan# 393
Delta R.T. -0.016 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

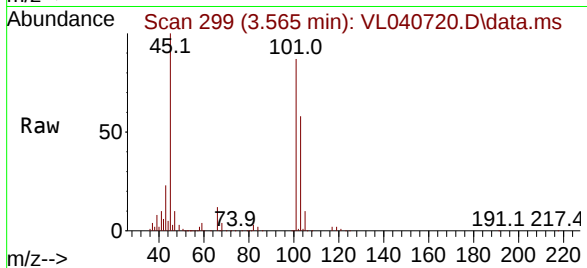
Tgt Ion: 96 Resp: 704384
Ion Ratio Lower Upper
96 100
61 187.0 153.6 230.4
98 62.4 51.9 77.9





#19
Isopropyl Alcohol
Concen: 8.448 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.013 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

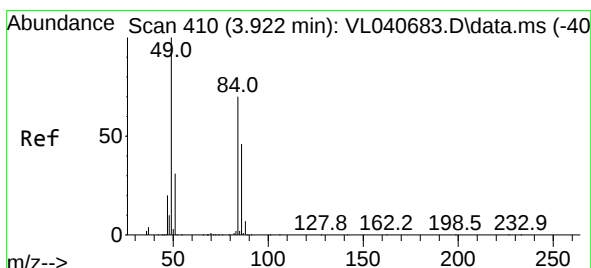
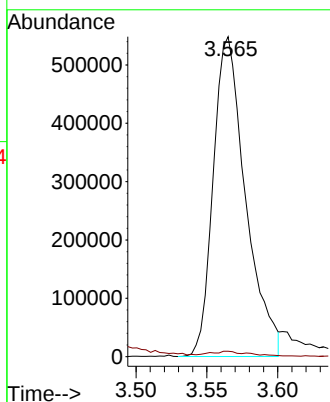
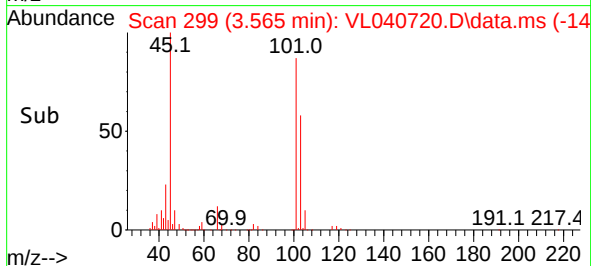
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



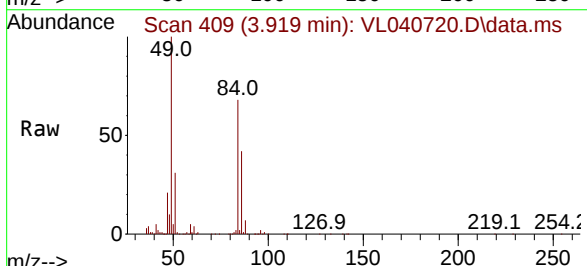
Tgt Ion: 45 Resp: 870424
Ion Ratio Lower Upper
45 100
58 2.7 1.9 2.9

Manual Integrations
APPROVED

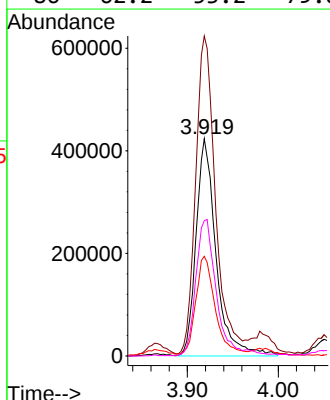
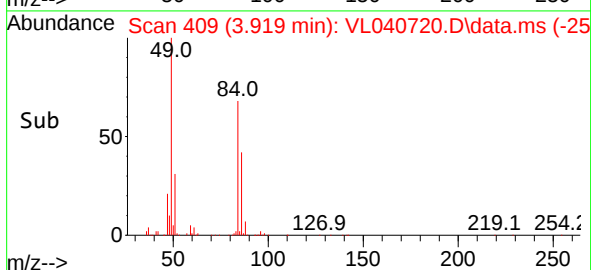
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

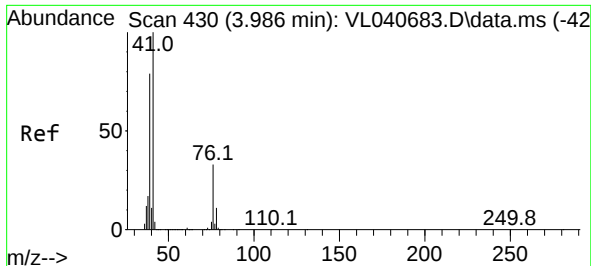


#20
Methylene Chloride
Concen: 7.060 ppbv m
RT: 3.919 min Scan# 409
Delta R.T. -0.019 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



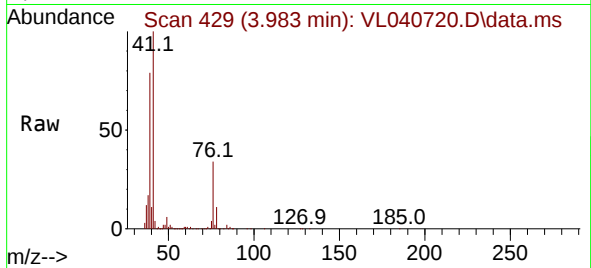
Tgt Ion: 84 Resp: 649788
Ion Ratio Lower Upper
84 100
49 147.3 114.4 171.6
51 45.9 35.5 53.3
86 62.2 53.2 79.8





#21
 Allyl Chloride
 Concen: 9.916 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

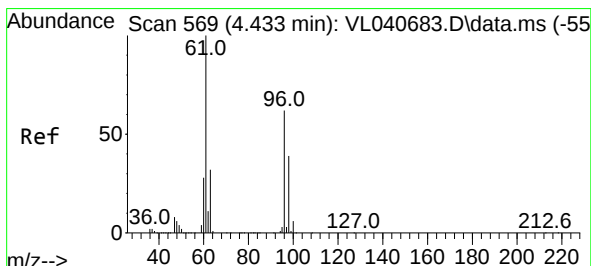
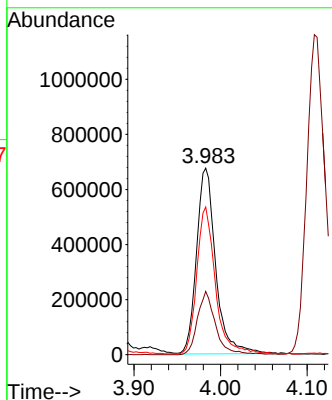
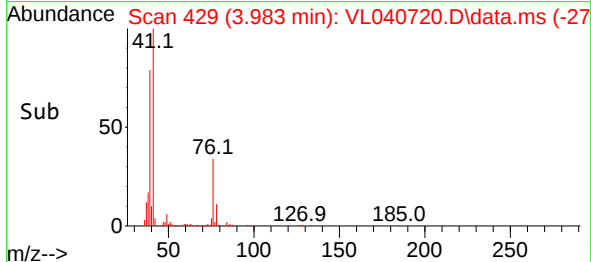
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 1039110
 Ion Ratio Lower Upper
 41 100
 76 32.0 26.6 40.0
 39 77.3 65.0 97.4

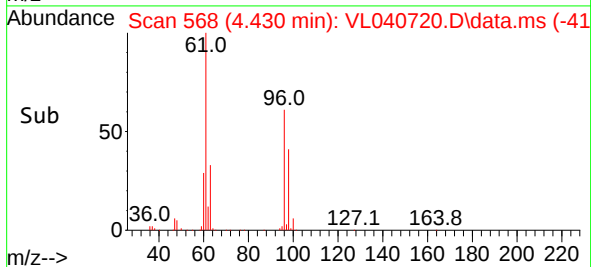
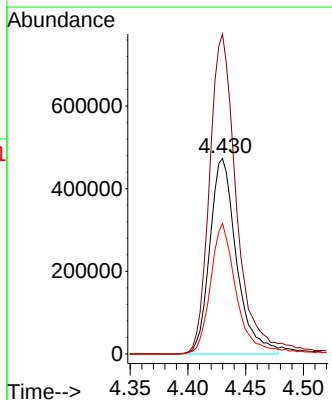
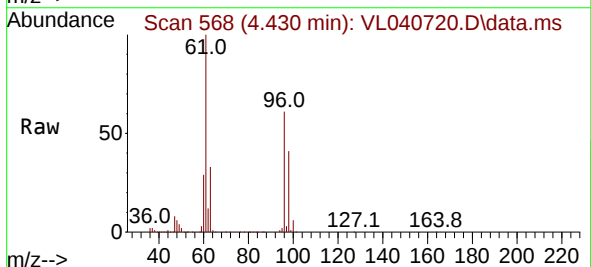
Manual Integrations
 APPROVED

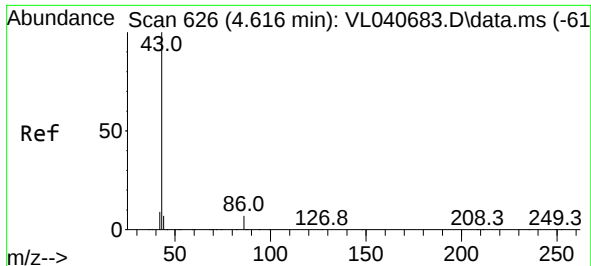
Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023



#22
 trans-1,2-Dichloroethene
 Concen: 9.644 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. -0.022 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

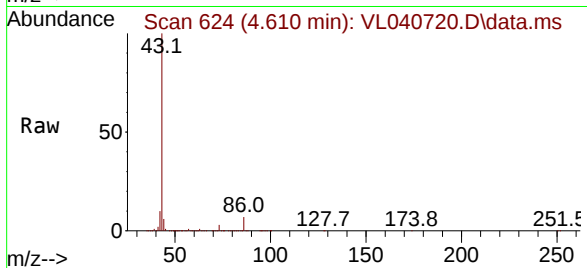
Tgt Ion: 96 Resp: 761272
 Ion Ratio Lower Upper
 96 100
 61 163.5 129.9 194.9
 98 66.7 50.2 75.4





#23
 Vinyl Acetate
 Concen: 10.583 ppbv
 RT: 4.610 min Scan# 610
 Delta R.T. -0.022 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

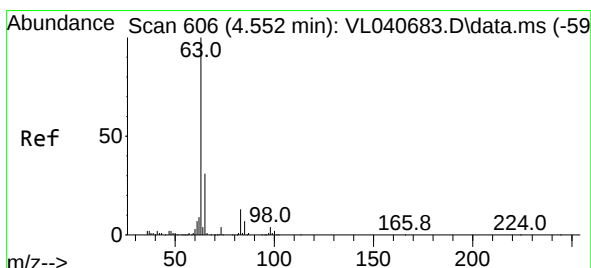
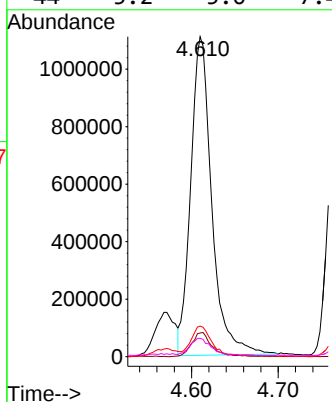
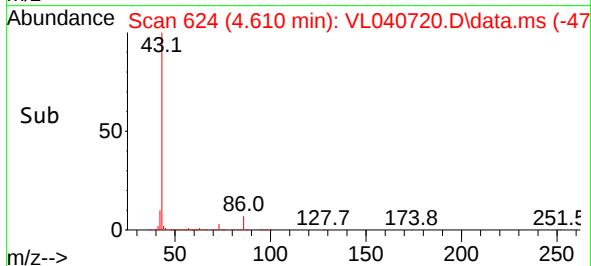
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



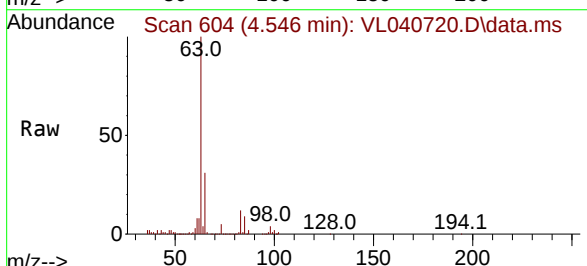
Tgt Ion: 43 Resp: 1871454
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.6 8.4
 42 9.5 7.6 11.4
 44 5.2 5.0 7.4

Manual Integrations
 APPROVED

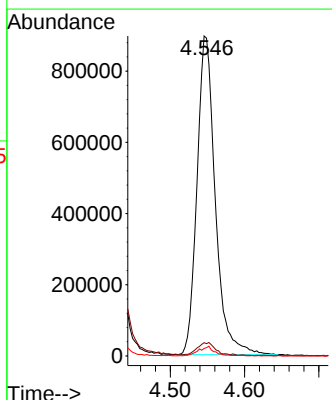
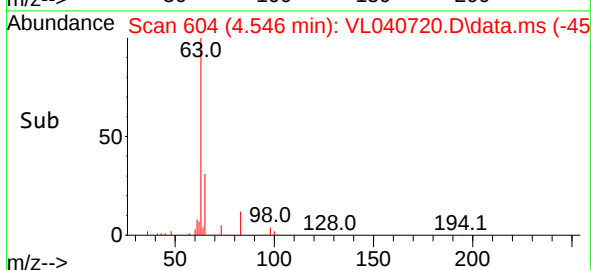
Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023

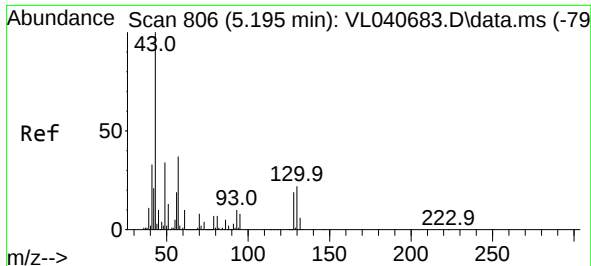


#24
 1,1-Dichloroethane
 Concen: 9.249 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.022 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57



Tgt Ion: 63 Resp: 1530582
 Ion Ratio Lower Upper
 63 100
 98 4.0 1.8 5.5
 100 2.3 1.2 3.6





#25

Ethyl Acetate

Concen: 10.259 ppbv

RT: 5.185 min Scan# 803

Delta R.T. -0.026 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 282926

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.4

61 10.6 8.2 12.4

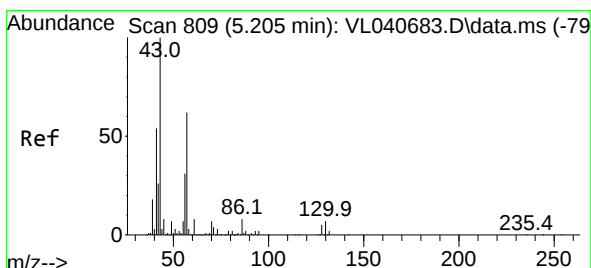
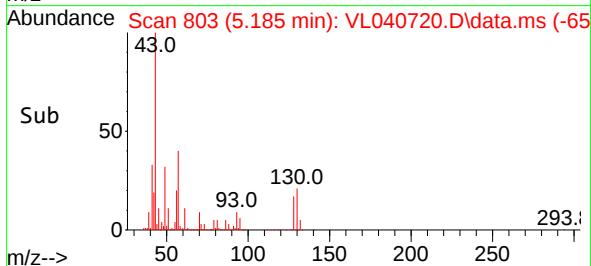
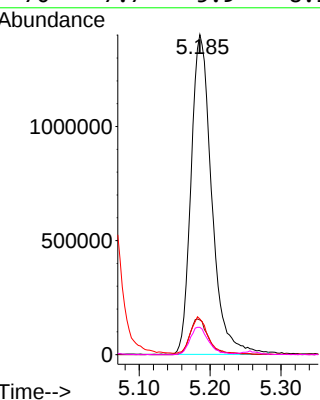
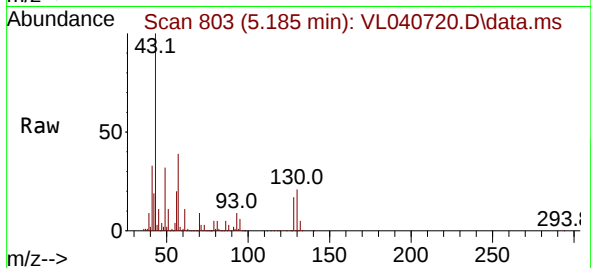
70 7.7 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#26

Hexane

Concen: 10.158 ppbv

RT: 5.195 min Scan# 806

Delta R.T. -0.026 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Tgt Ion: 57 Resp: 1324666

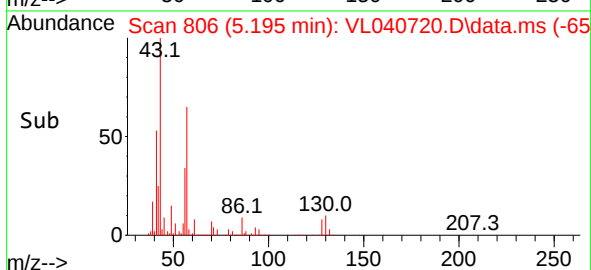
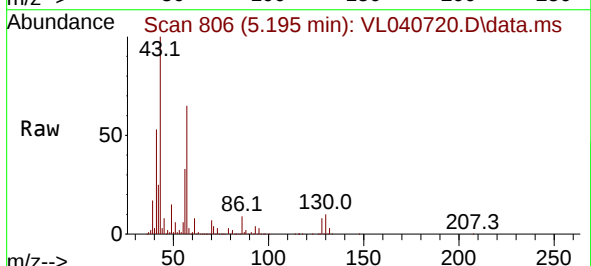
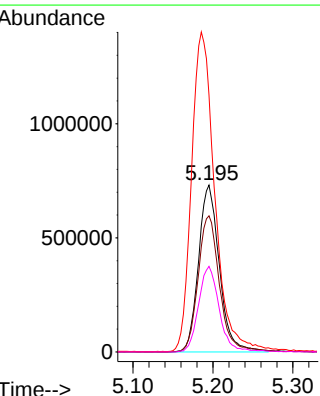
Ion Ratio Lower Upper

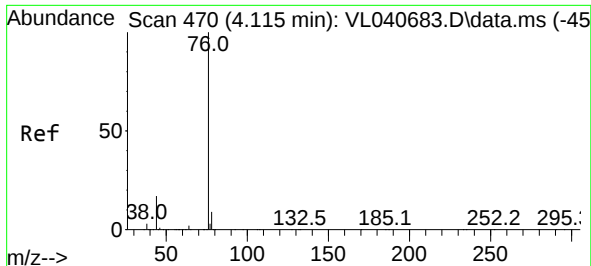
57 100

41 84.6 75.2 112.8

43 215.8 185.6 278.4

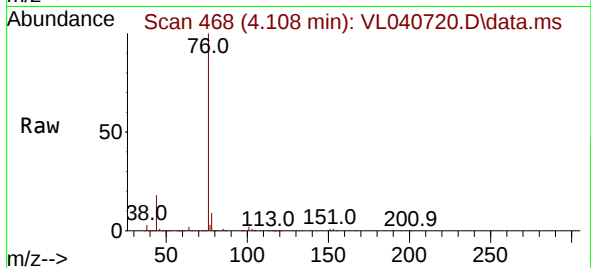
56 51.3 43.8 65.8





#27
Carbon Disulfide
Concen: 10.237 ppbv
RT: 4.108 min Scan# 410
Delta R.T. -0.022 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

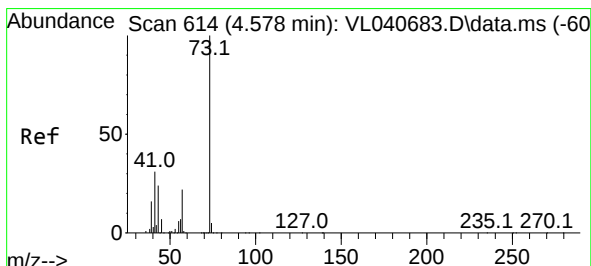
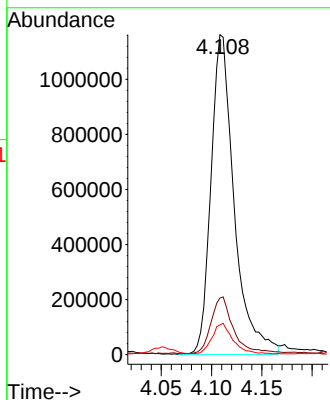
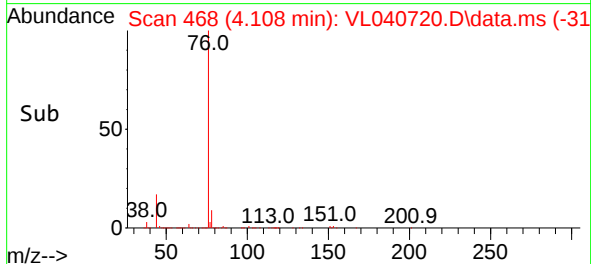
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 1861568
Ion Ratio Lower Upper
76 100
44 17.5 14.5 21.7
78 9.5 7.7 11.5

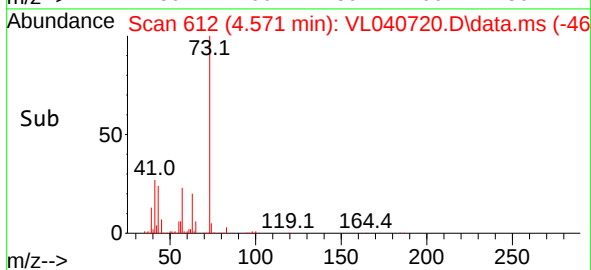
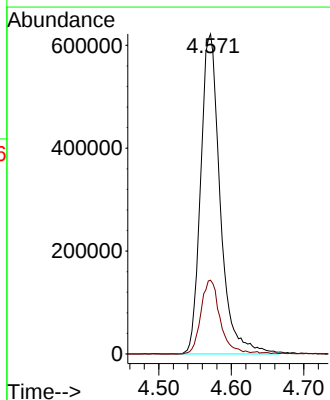
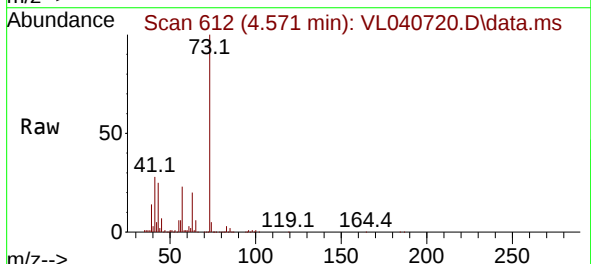
Manual Integrations
APPROVED

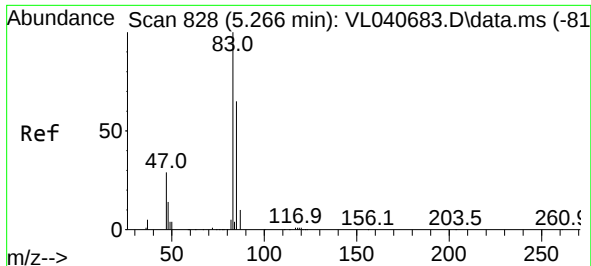
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#28
Methyl tert-Butyl Ether
Concen: 10.359 ppbv
RT: 4.571 min Scan# 612
Delta R.T. -0.019 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

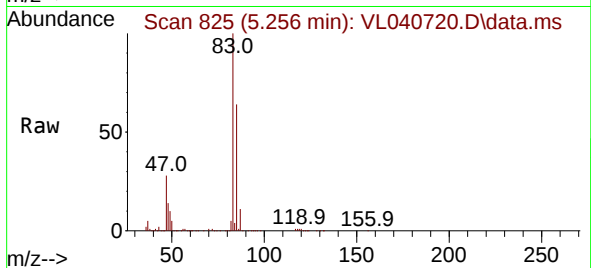
Tgt Ion: 73 Resp: 1162298
Ion Ratio Lower Upper
73 100
57 23.2 18.8 28.2





#29
Chloroform
Concen: 9.185 ppbv
RT: 5.256 min Scan# 81
Delta R.T. -0.026 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

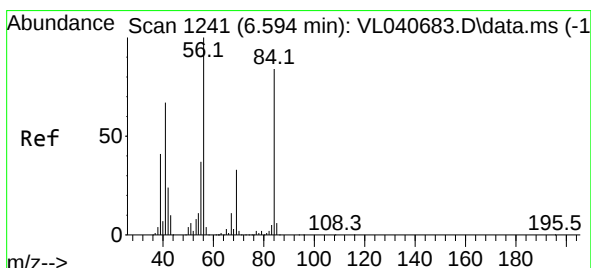
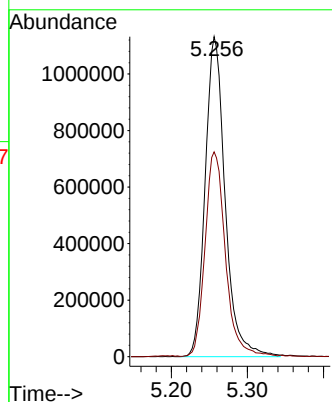
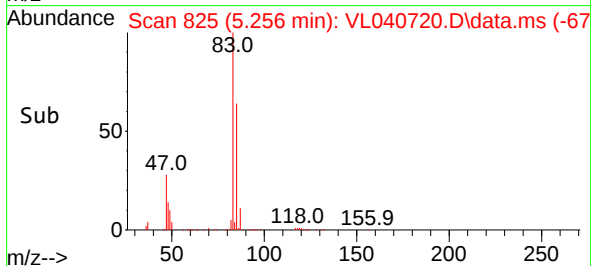
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



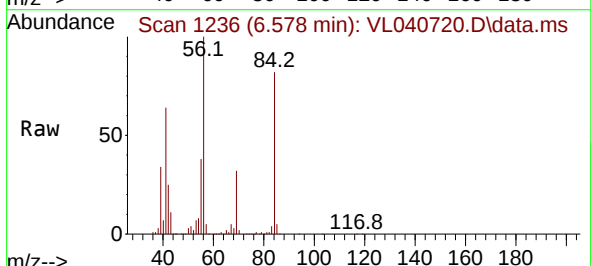
Tgt Ion: 83 Resp: 206799
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.8

Manual Integrations
APPROVED

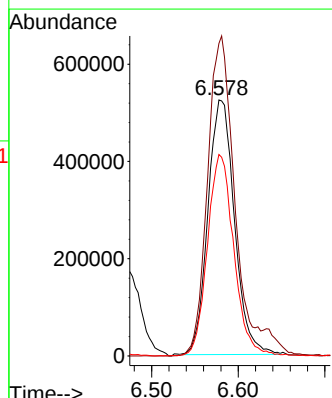
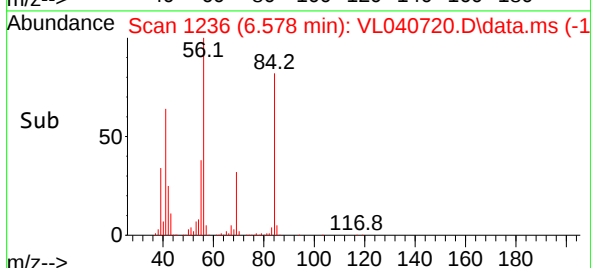
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

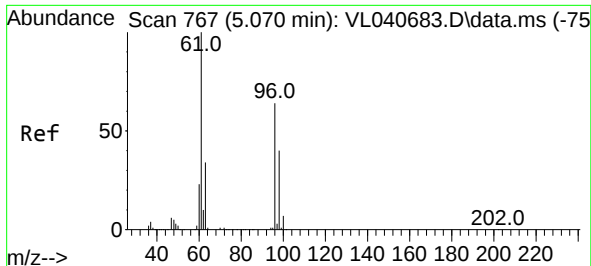


#30
Cyclohexane
Concen: 11.376 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



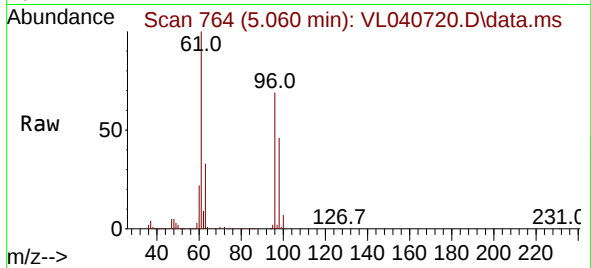
Tgt Ion: 84 Resp: 1117190
Ion Ratio Lower Upper
84 100
56 132.4 103.2 154.8
41 78.6 65.5 98.3





#31
 cis-1,2-Dichloroethene
 Concen: 10.752 ppbv
 RT: 5.060 min Scan# 70
 Delta R.T. -0.026 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

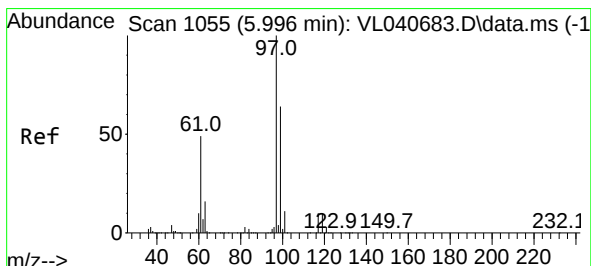
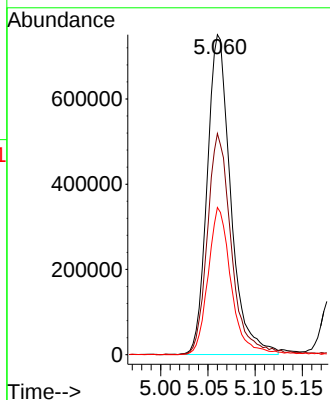
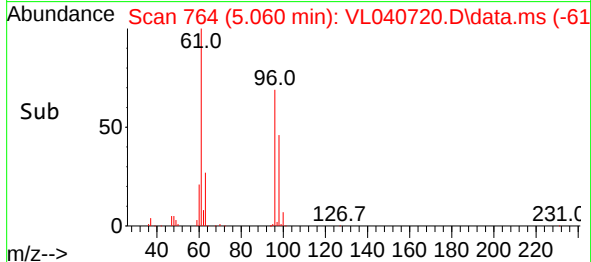
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 1300819
 Ion Ratio Lower Upper
 61 100
 96 69.1 51.2 76.8
 98 45.9 32.3 48.5

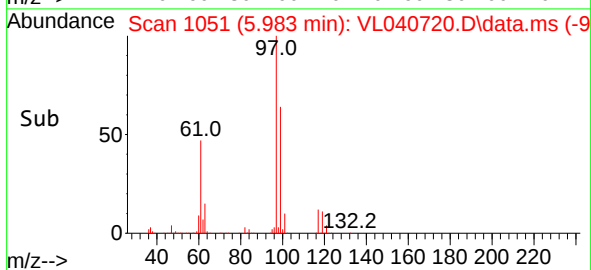
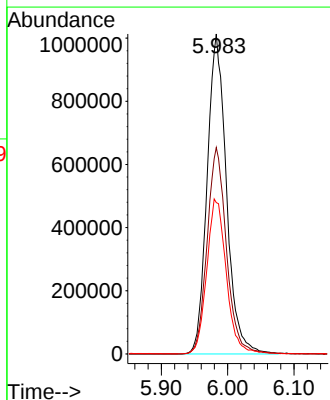
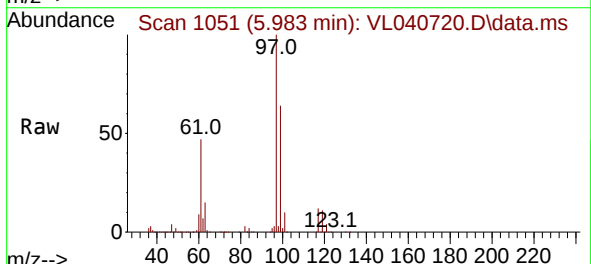
Manual Integrations
 APPROVED

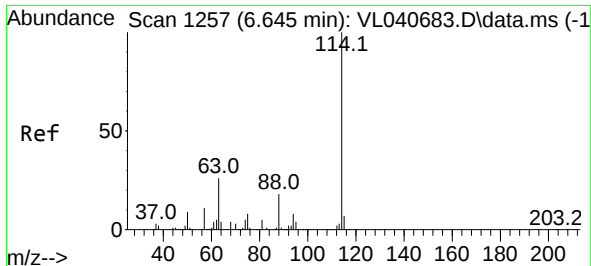
Reviewed By :Semsettin Yesilyurt 09/28/2023
 Supervised By :Mahesh Dadoda 09/28/2023



#32
 1,1,1-Trichloroethane
 Concen: 8.896 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. -0.029 min
 Lab File: VL040720.D
 Acq: 27 Sep 2023 8:57

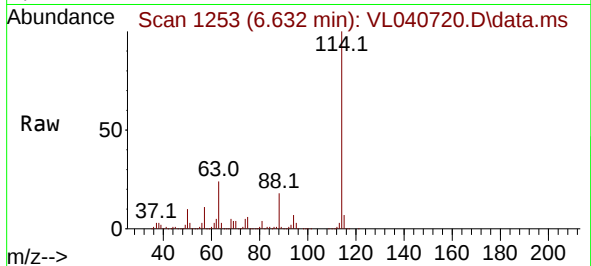
Tgt Ion: 97 Resp: 2047837
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.4 78.6
 61 49.3 40.2 60.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 114
Delta R.T. -0.029 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

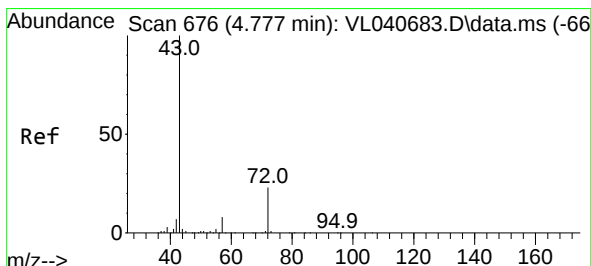
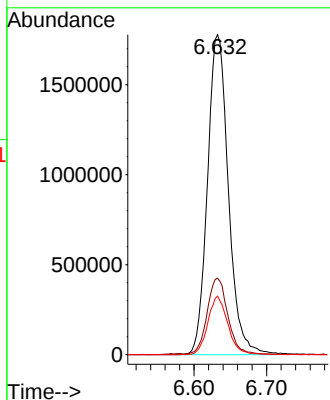
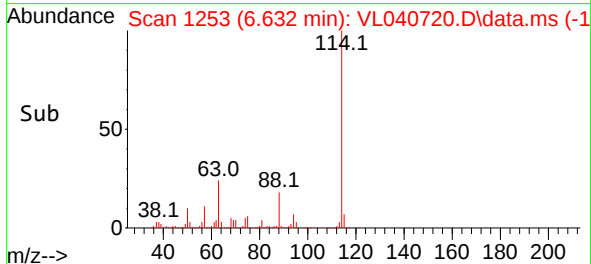
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:114 Resp: 3563524
Ion Ratio Lower Upper
114 100
63 24.2 21.1 31.7
88 17.5 14.5 21.7

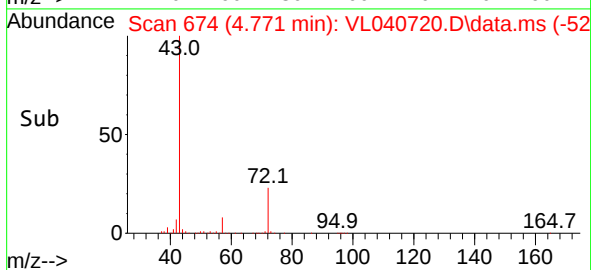
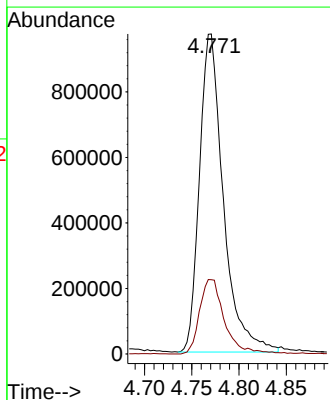
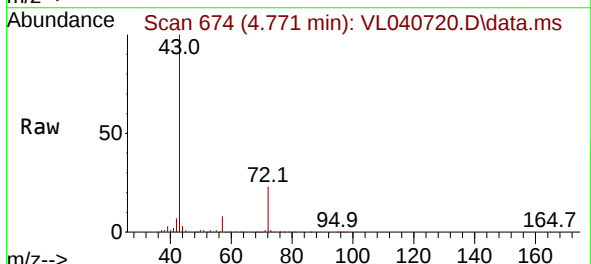
Manual Integrations
APPROVED

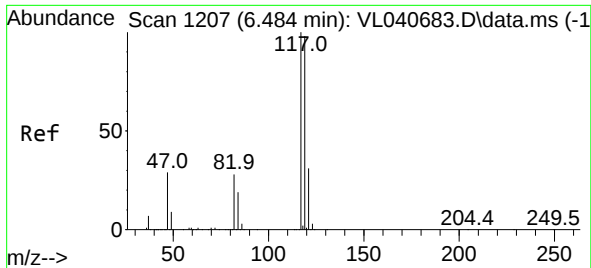
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#34
2-Butanone
Concen: 9.524 ppbv
RT: 4.771 min Scan# 674
Delta R.T. -0.019 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

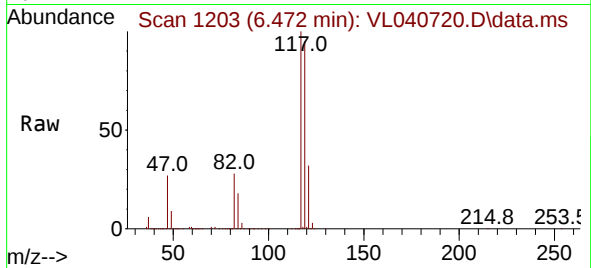
Tgt Ion: 43 Resp: 1706874
Ion Ratio Lower Upper
43 100
72 24.6 18.6 27.8





#35
Carbon Tetrachloride
Concen: 8.585 ppbv
RT: 6.472 min Scan# 1165
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

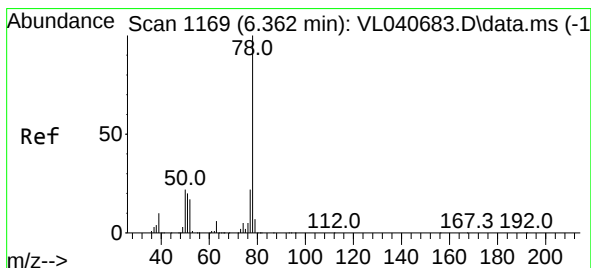
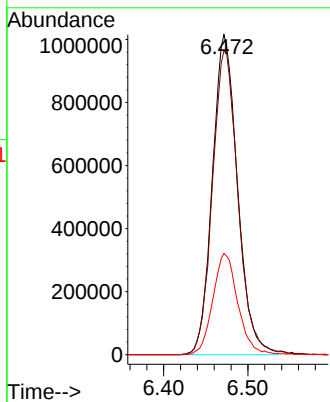
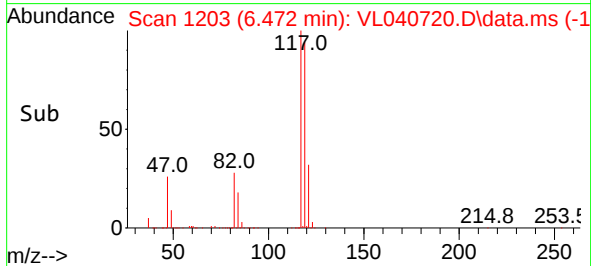
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 210067
Ion Ratio Lower Upper
117 100
119 95.0 78.6 117.8
121 31.6 24.7 37.1

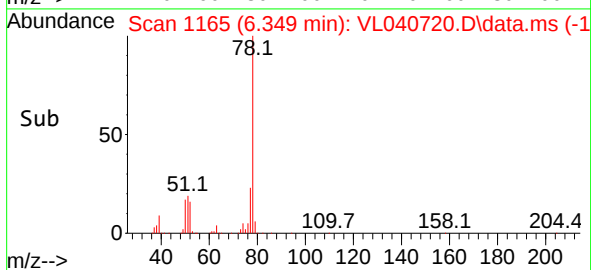
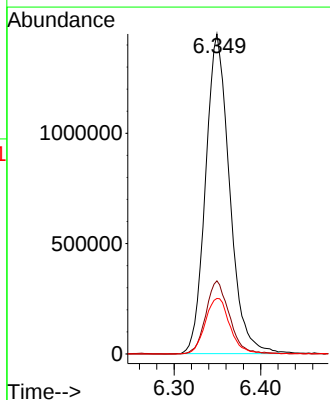
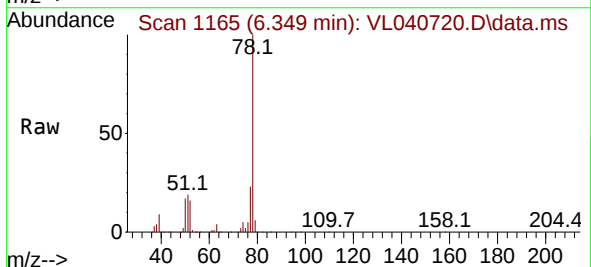
Manual Integrations
APPROVED

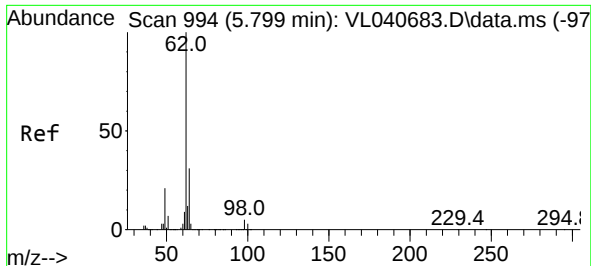
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#36
Benzene
Concen: 10.561 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 78 Resp: 2786908
Ion Ratio Lower Upper
78 100
77 22.8 17.9 26.9
50 17.3 17.3 25.9





#37

1,2-Dichloroethane

Concen: 8.411 ppbv

RT: 5.787 min Scan# 994

Delta R.T. -0.029 min

Lab File: VL040720.D

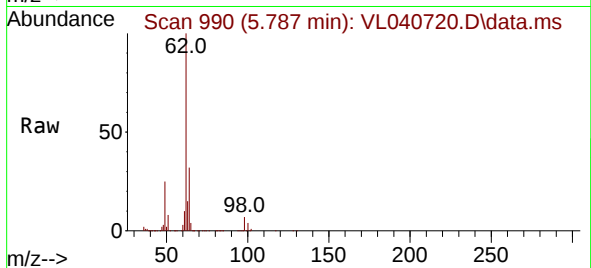
Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 62 Resp: 151902

Ion Ratio Lower Upper

62 100

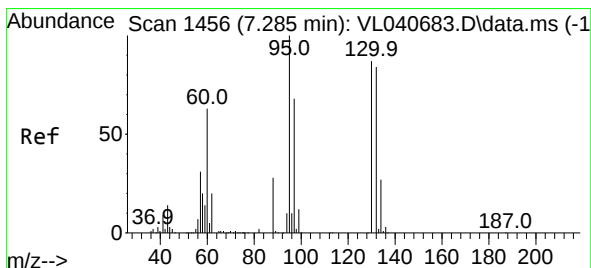
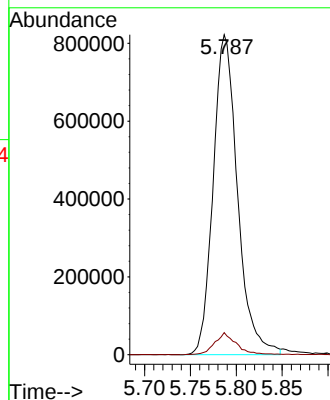
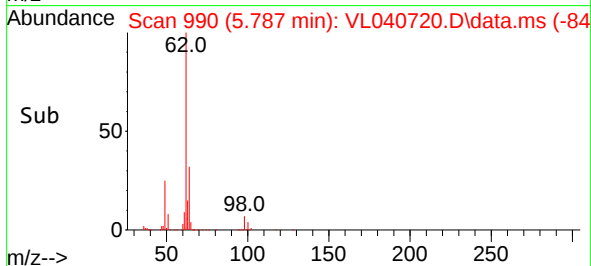
98 6.1 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#38

Trichloroethene

Concen: 10.809 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. -0.032 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Tgt Ion:130 Resp: 1087713

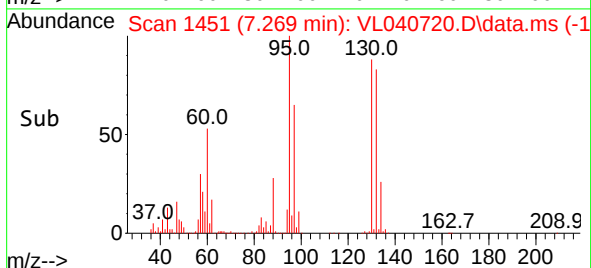
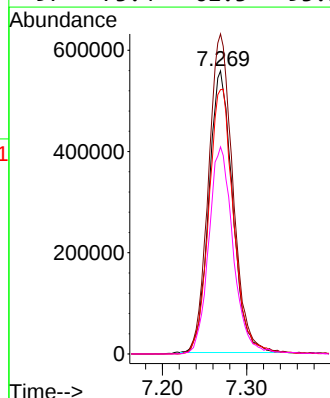
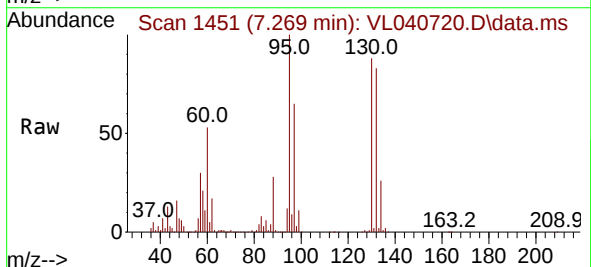
Ion Ratio Lower Upper

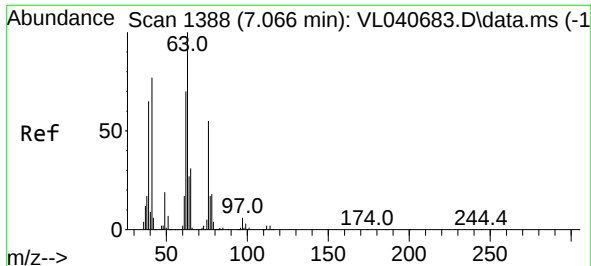
130 100

95 113.6 91.9 137.9

132 93.8 77.3 115.9

97 73.4 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.280 ppbv

RT: 7.050 min Scan# 11

Delta R.T. -0.032 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 104419

Ion Ratio Lower Upper

63 100

41 68.7 61.6 92.4

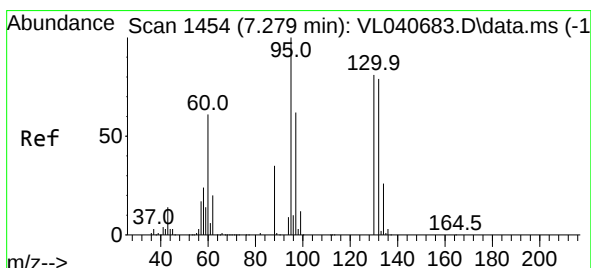
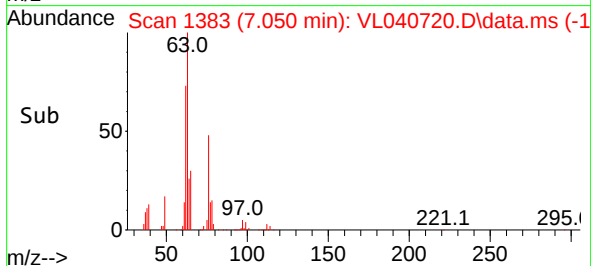
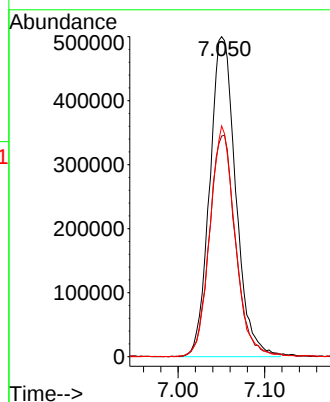
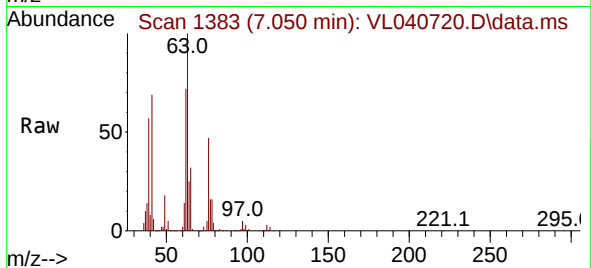
62 71.8 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#40

1,4-Dioxane

Concen: 11.100 ppbv

RT: 7.263 min Scan# 1449

Delta R.T. -0.032 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Tgt Ion: 88 Resp: 426221

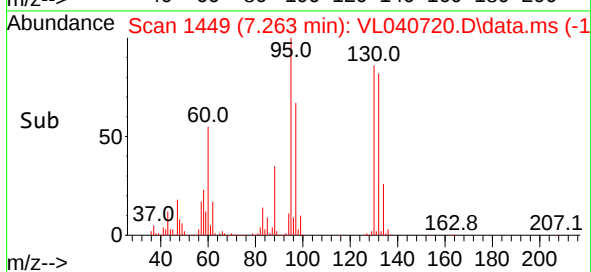
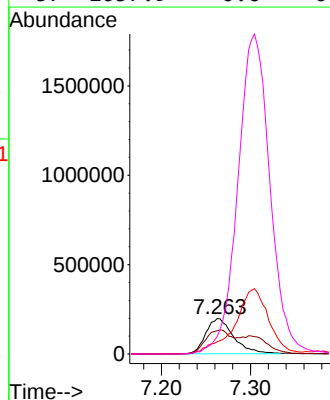
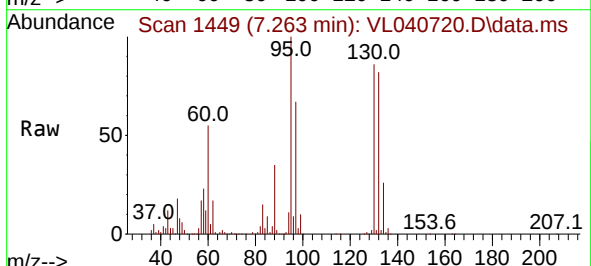
Ion Ratio Lower Upper

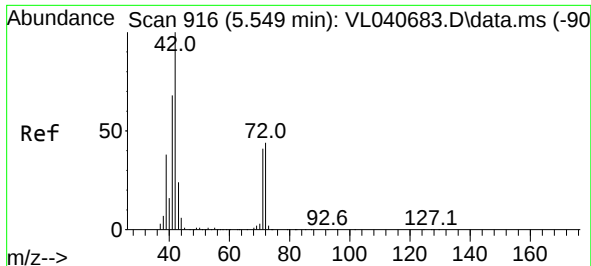
88 100

58 117.7 92.7 139.1

43 229.3 0.0 0.0#

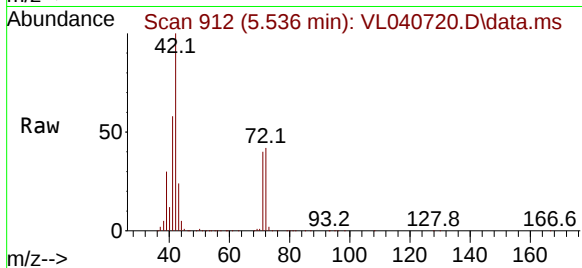
57 1057.9 0.0 0.0#





#41
Tetrahydrofuran
Concen: 11.289 ppbv
RT: 5.536 min Scan# 916
Delta R.T. -0.026 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

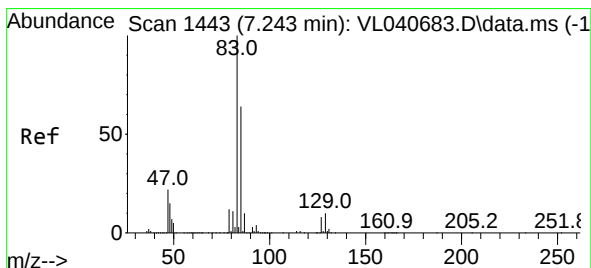
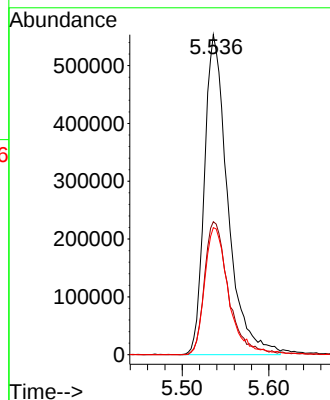
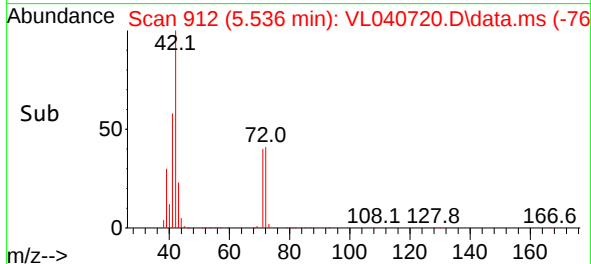
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



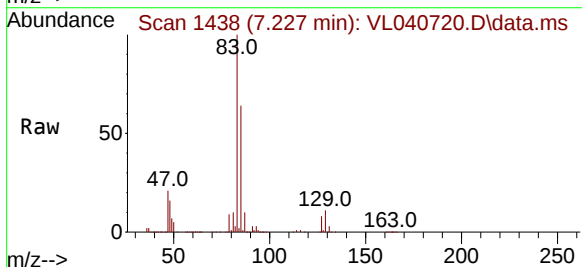
Tgt Ion: 42 Resp: 1037440
Ion Ratio Lower Upper
42 100
72 43.2 34.9 52.3
71 41.5 33.8 50.8

Manual Integrations
APPROVED

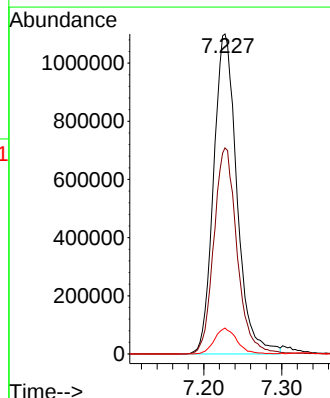
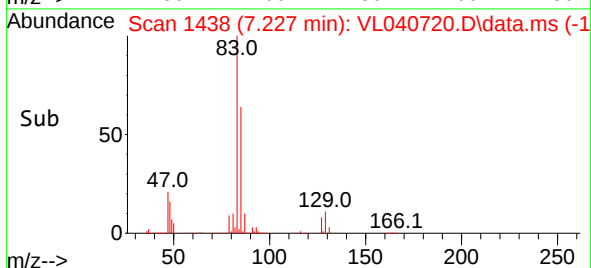
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

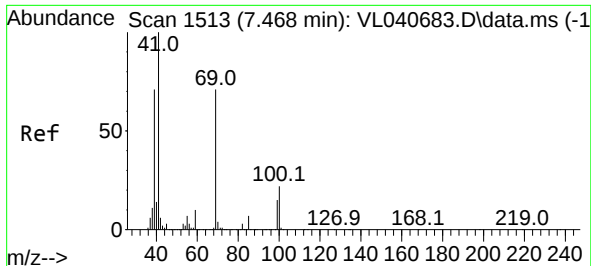


#42
Bromodichloromethane
Concen: 9.303 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



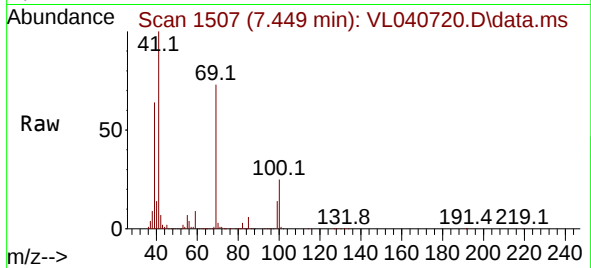
Tgt Ion: 83 Resp: 2292563
Ion Ratio Lower Upper
83 100
85 64.4 51.2 76.8
127 8.1 6.2 9.4





#43
Methyl Methacrylate
Concen: 11.552 ppbv
RT: 7.449 min Scan# 1507
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

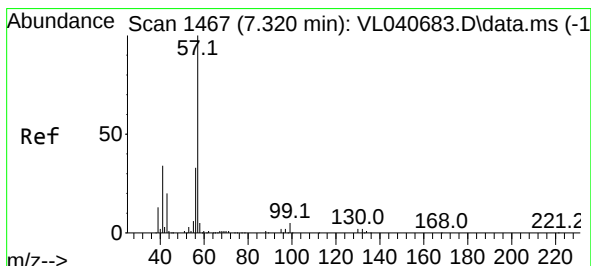
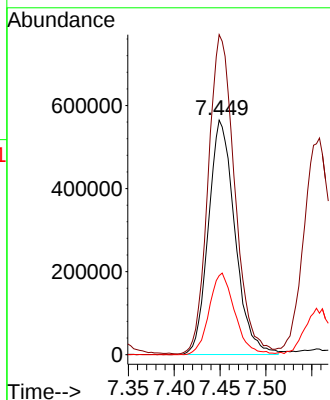
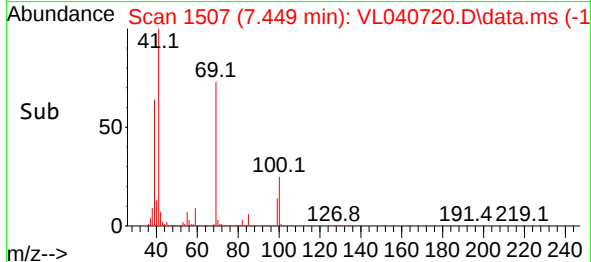
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



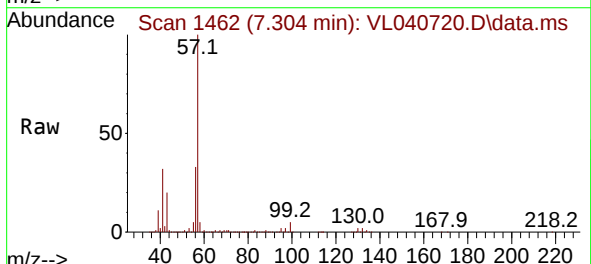
Tgt Ion: 69 Resp: 113307
Ion Ratio Lower Upper
69 100
41 137.3 113.8 170.8
100 33.9 25.4 38.0

Manual Integrations
APPROVED

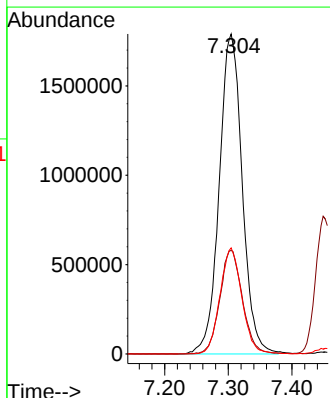
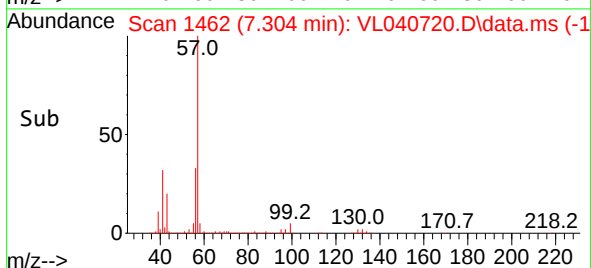
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

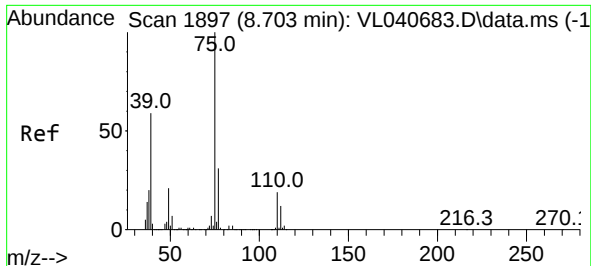


#44
2,2,4-Trimethylpentane
Concen: 10.700 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



Tgt Ion: 57 Resp: 4495811
Ion Ratio Lower Upper
57 100
41 31.9 28.5 42.7
56 31.6 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.965 ppbv

RT: 8.684 min Scan# 11

Delta R.T. -0.038 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 986092

Ion Ratio Lower Upper

75 100

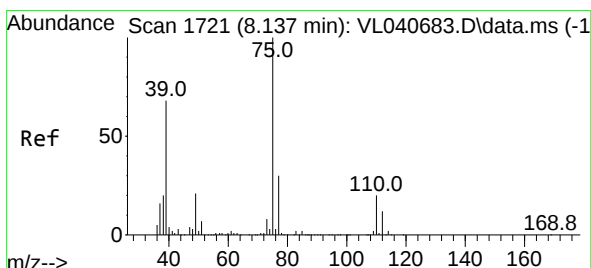
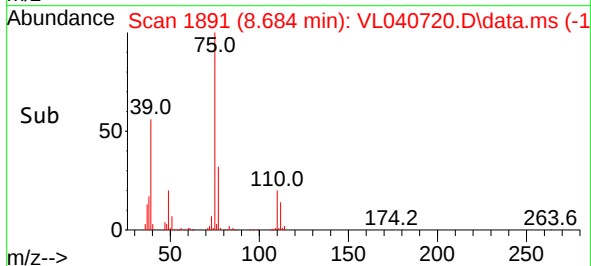
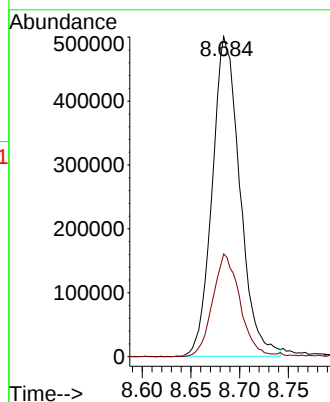
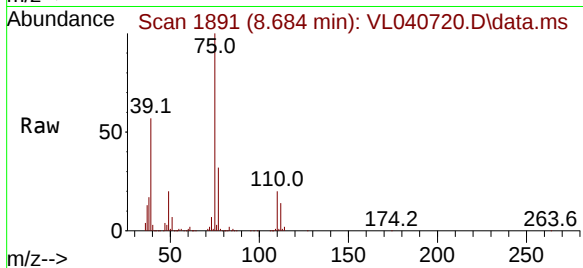
77 32.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#46

cis-1,3-Dichloropropene

Concen: 12.369 ppbv

RT: 8.121 min Scan# 1716

Delta R.T. -0.029 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

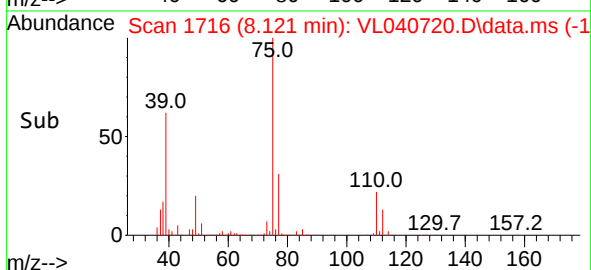
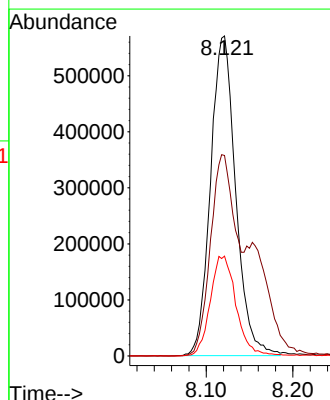
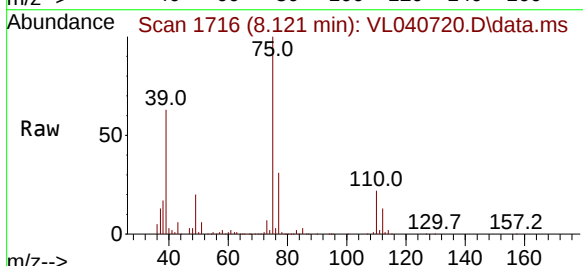
Tgt Ion: 75 Resp: 1151004

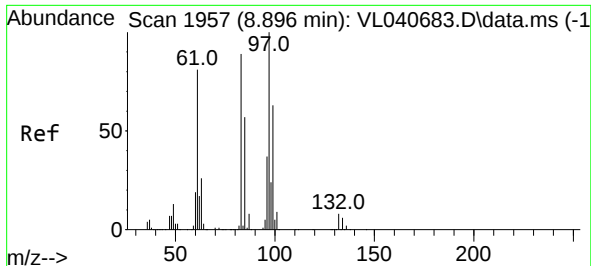
Ion Ratio Lower Upper

75 100

39 62.5 54.0 81.0

77 31.2 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 9.926 ppbv

RT: 8.873 min Scan# 1957

Delta R.T. -0.035 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 115707

Ion Ratio Lower Upper

97 100

83 92.0 70.8 106.2

85 59.1 45.7 68.5

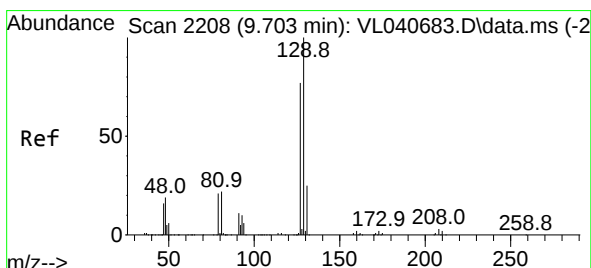
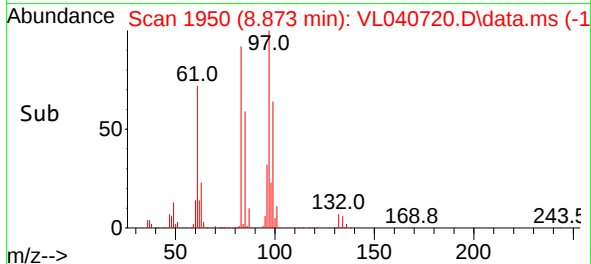
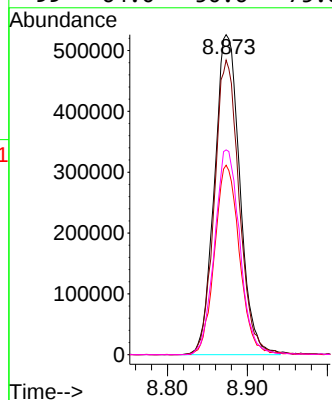
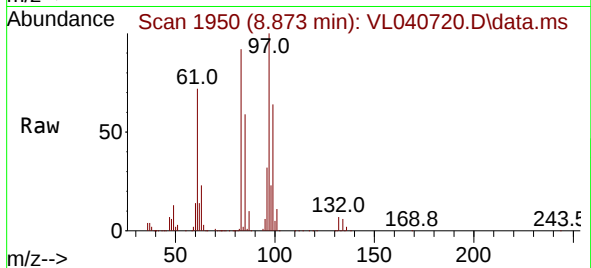
99 64.0 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#48

Dibromochloromethane

Concen: 10.216 ppbv

RT: 9.680 min Scan# 2201

Delta R.T. -0.042 min

Lab File: VL040720.D

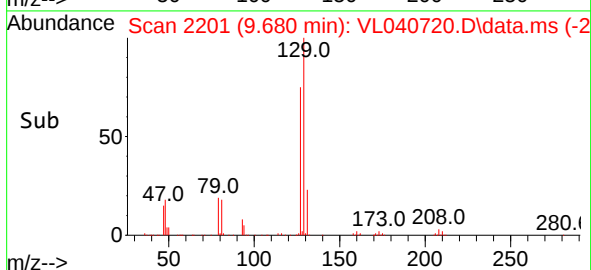
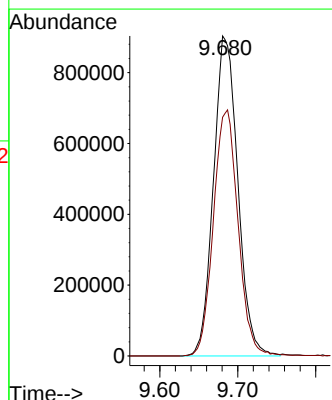
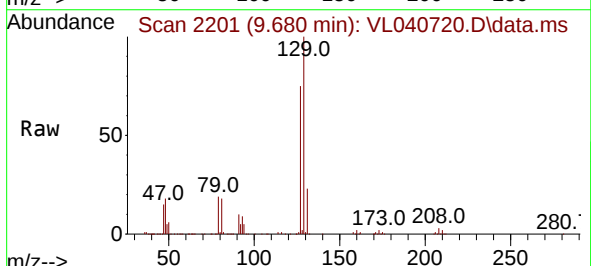
Acq: 27 Sep 2023 8:57

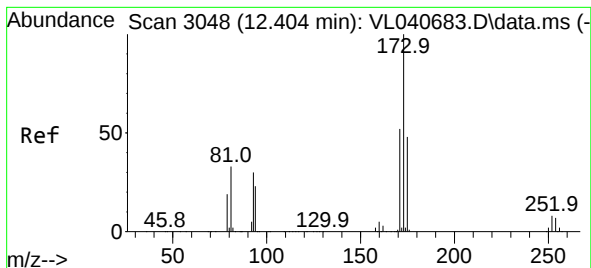
Tgt Ion:129 Resp: 1964473

Ion Ratio Lower Upper

129 100

127 77.9 39.4 118.2





#49

Bromoform

Concen: 10.302 ppbv

RT: 12.378 min Scan# 3048

Delta R.T. -0.042 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 162695

Ion Ratio Lower Upper

173 100

175 50.0 38.8 58.2

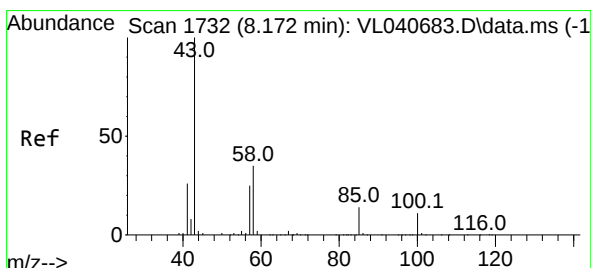
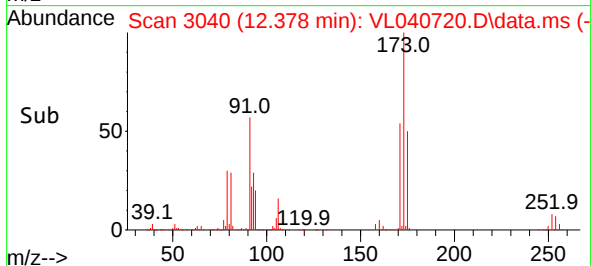
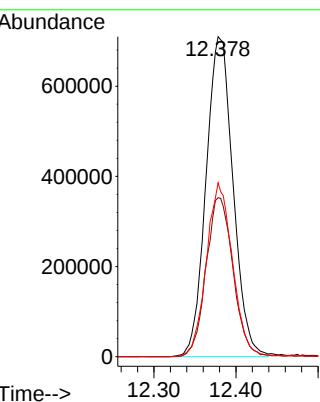
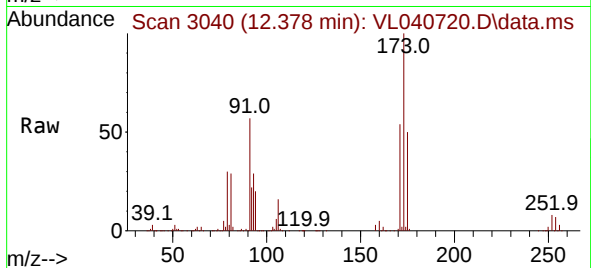
171 53.1 42.2 63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#50

4-Methyl-2-Pentanone

Concen: 10.650 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. -0.035 min

Lab File: VL040720.D

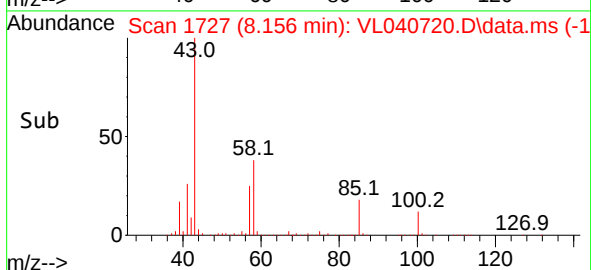
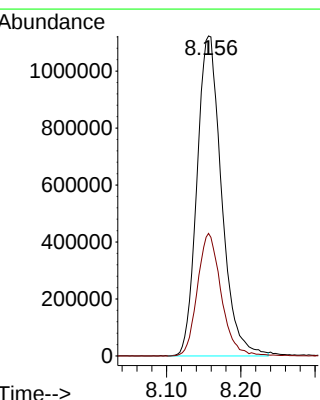
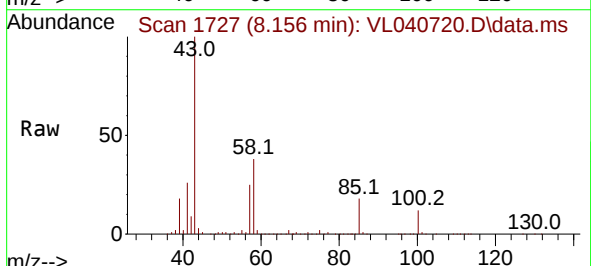
Acq: 27 Sep 2023 8:57

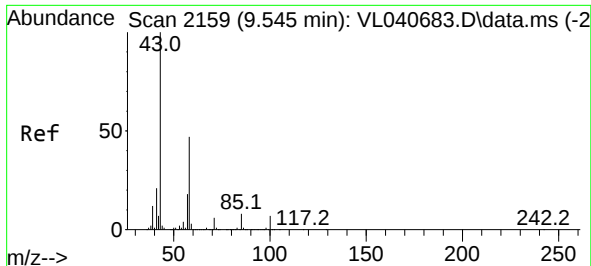
Tgt Ion: 43 Resp: 2579216

Ion Ratio Lower Upper

43 100

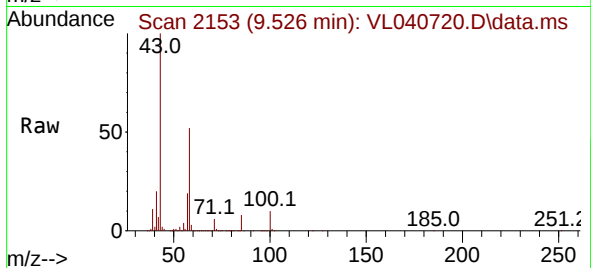
58 37.1 28.2 42.4





#51
2-Hexanone
Concen: 11.102 ppbv
RT: 9.526 min Scan# 2153
Delta R.T. -0.029 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

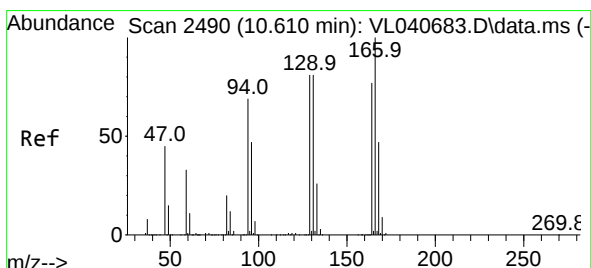
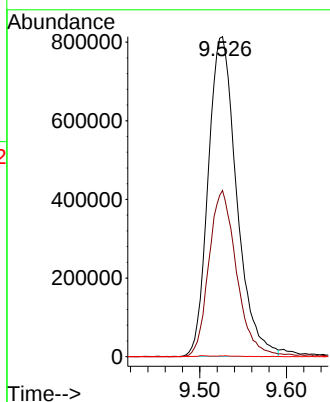
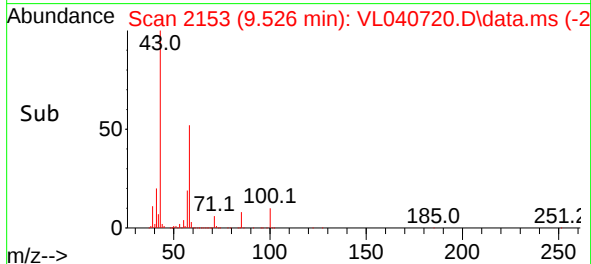
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 185563
Ion Ratio Lower Upper
43 100
58 51.4 37.6 56.4
98 0.4 0.6 1.0

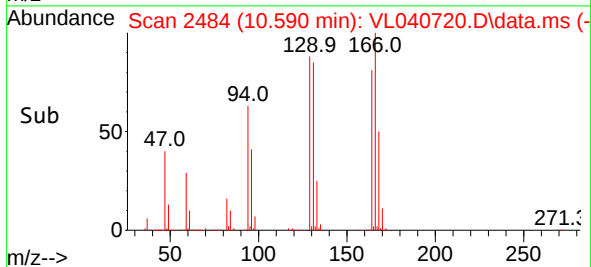
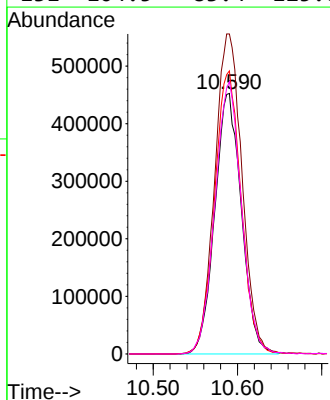
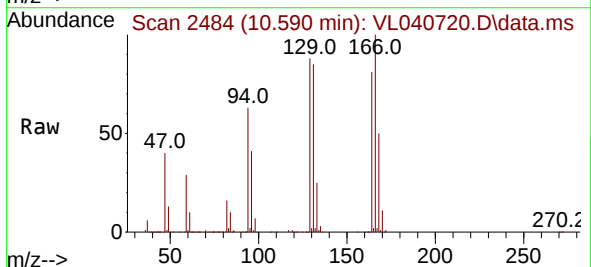
Manual Integrations
APPROVED

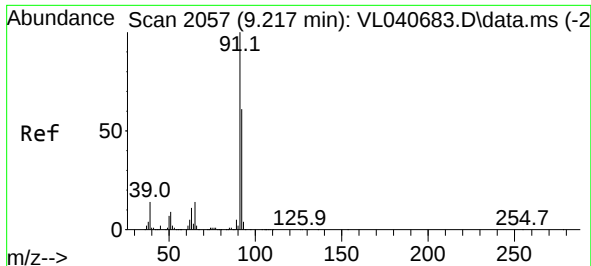
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#52
Tetrachloroethene
Concen: 11.484 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion:164 Resp: 988488
Ion Ratio Lower Upper
164 100
166 122.7 103.4 155.2
129 108.5 83.5 125.3
131 104.5 83.4 125.0





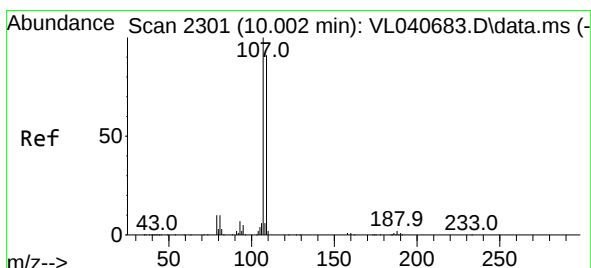
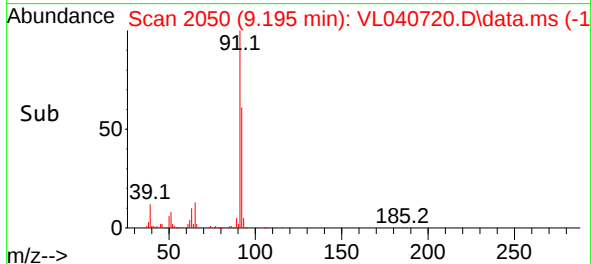
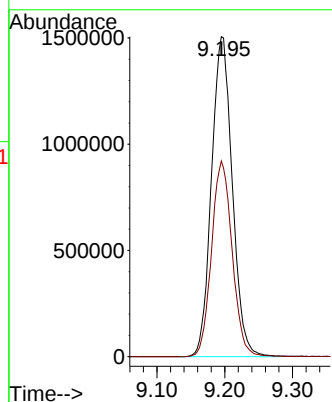
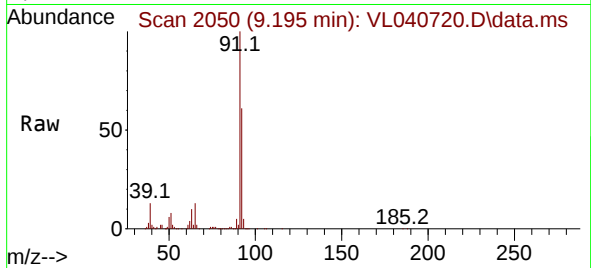
#53
Toluene
Concen: 11.534 ppbv
RT: 9.195 min Scan# 2057
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 321338
Ion Ratio Lower Upper
91 100
92 60.6 48.5 72.7

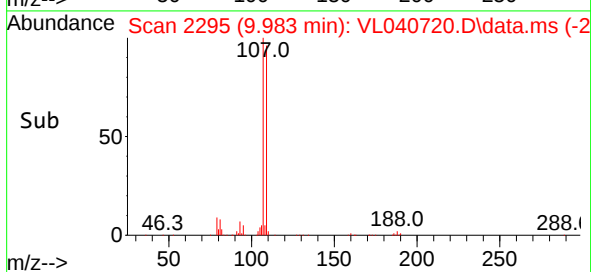
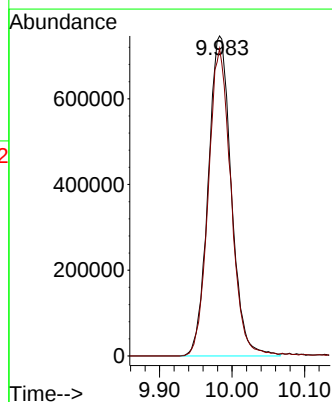
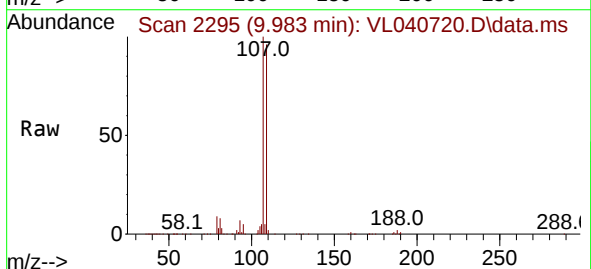
Manual Integrations
APPROVED

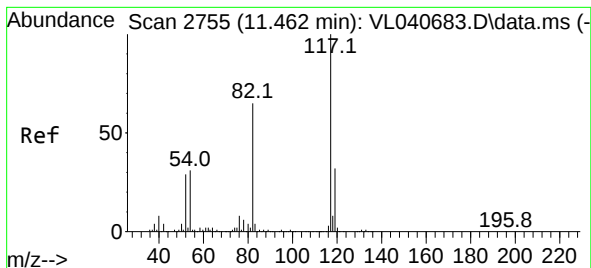
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#54
1,2-Dibromoethane
Concen: 11.111 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

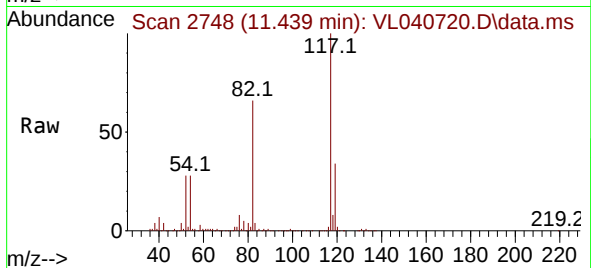
Tgt Ion:107 Resp: 1653139
Ion Ratio Lower Upper
107 100
109 96.1 72.4 108.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.439 min Scan# 21
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

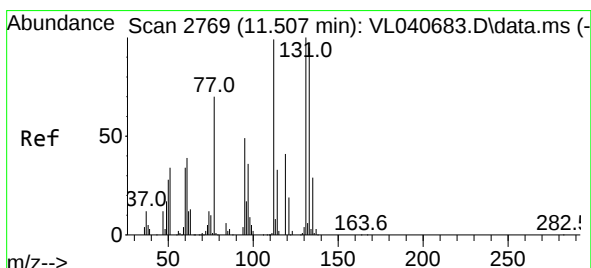
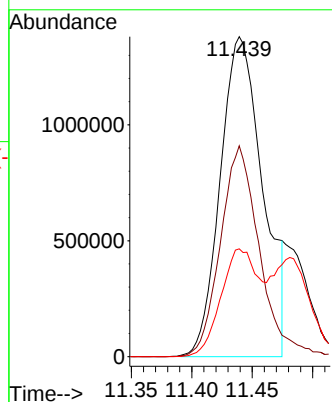
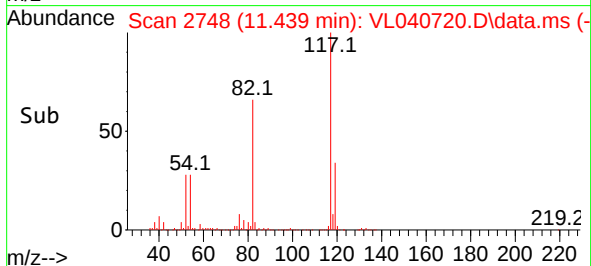
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



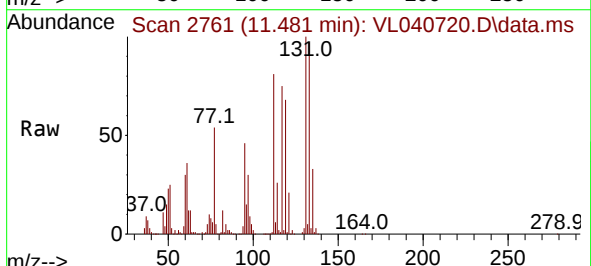
Tgt Ion:117 Resp: 3375324
Ion Ratio Lower Upper
117 100
82 60.8 51.4 77.0
119 30.9 24.7 37.1

Manual Integrations
APPROVED

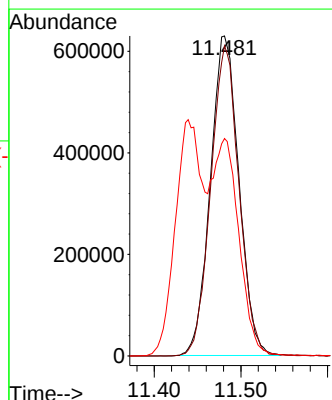
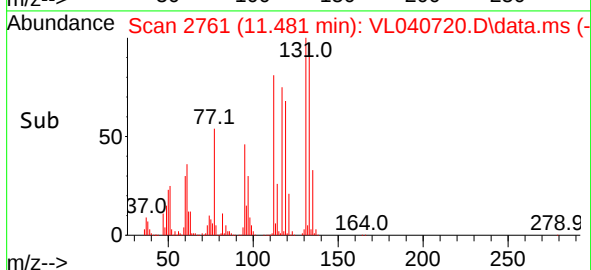
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

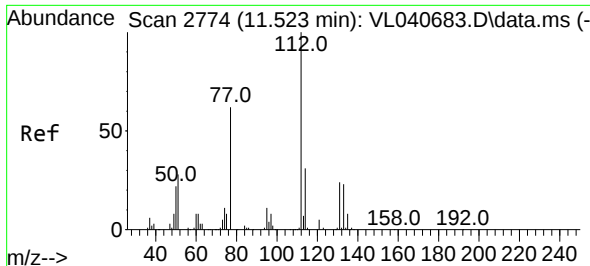


#56
1,1,1,2-Tetrachloroethane
Concen: 8.947 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



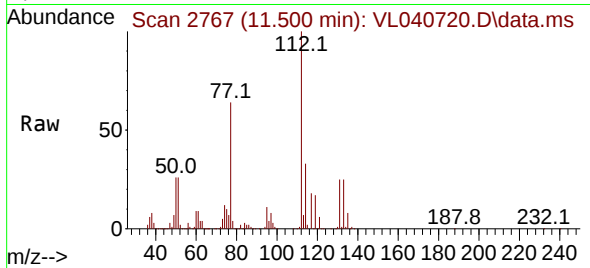
Tgt Ion:131 Resp: 1439518
Ion Ratio Lower Upper
131 100
133 96.3 76.2 114.2
119 58.9 45.5 68.3





#57
Chlorobenzene
Concen: 9.768 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

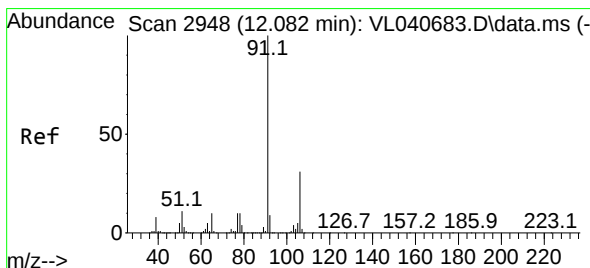
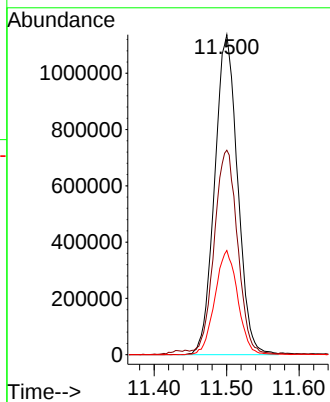
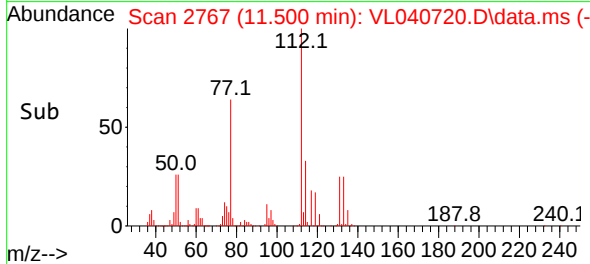
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 249675
Ion Ratio Lower Upper
112 100
77 63.5 50.8 76.2
114 32.5 28.2 34.4

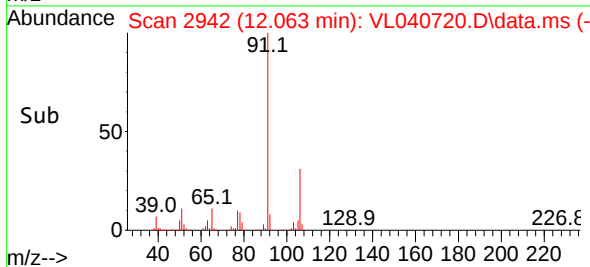
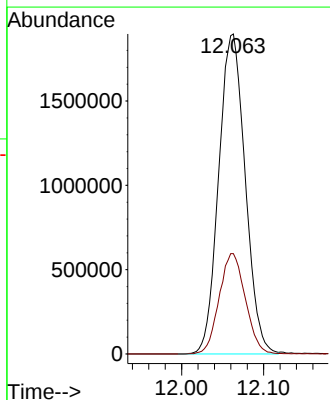
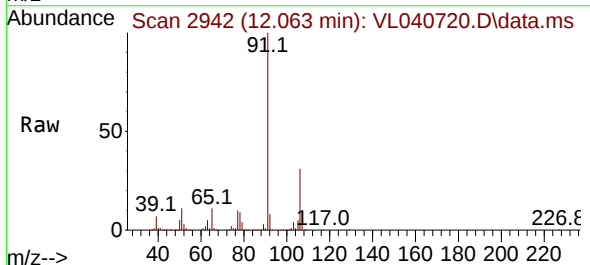
Manual Integrations
APPROVED

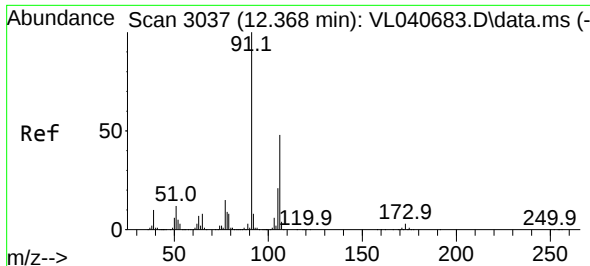
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#58
Ethyl Benzene
Concen: 11.078 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 91 Resp: 4263178
Ion Ratio Lower Upper
91 100
106 31.4 24.7 37.1





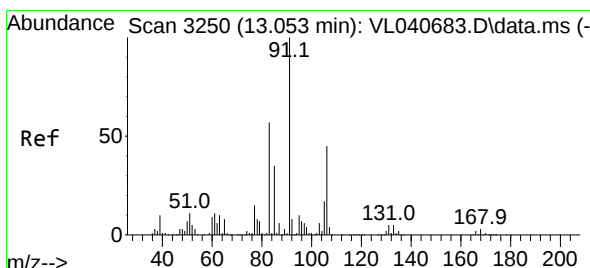
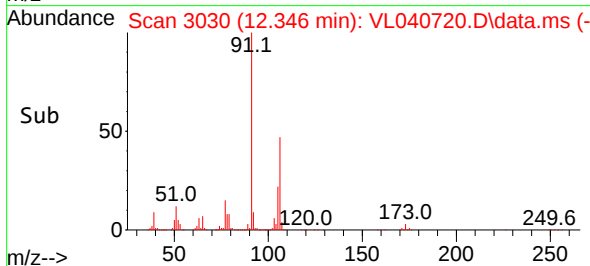
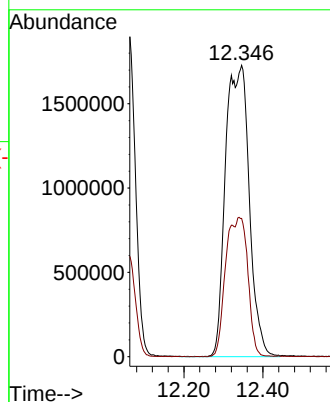
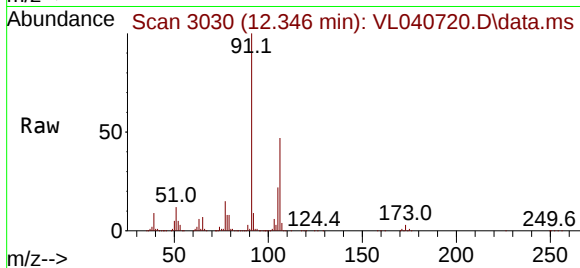
#59
m/p-Xylene
Concen: 19.946 ppbv m
RT: 12.346 min Scan# 3037
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 720744
Ion Ratio Lower Upper
91 100
106 44.7 34.8 52.2

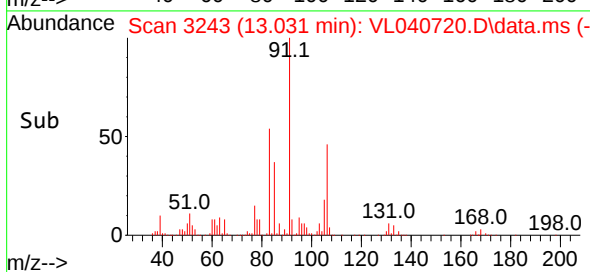
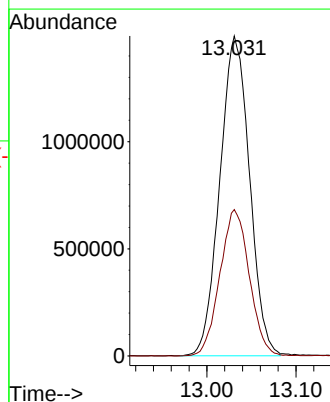
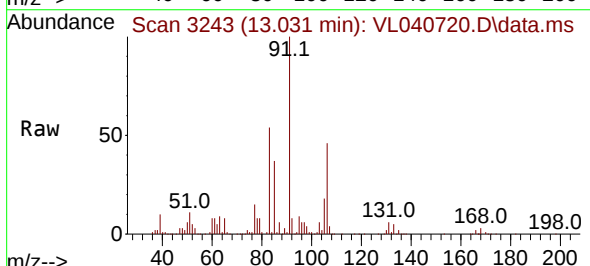
Manual Integrations
APPROVED

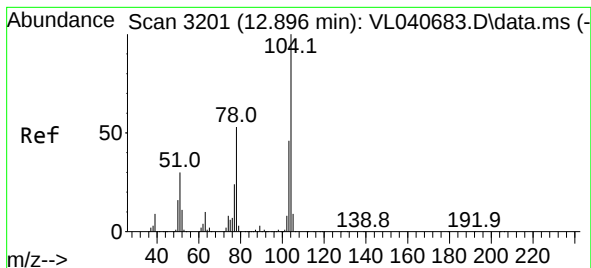
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#60
o-Xylene
Concen: 10.027 ppbv
RT: 13.031 min Scan# 3243
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 91 Resp: 3455467
Ion Ratio Lower Upper
91 100
106 45.5 22.3 66.9





#61

Styrene

Concen: 12.601 ppbv

RT: 12.870 min Scan# 3193

Delta R.T. -0.035 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 181997

Ion Ratio Lower Upper

104 100

78 50.5 43.4 65.0

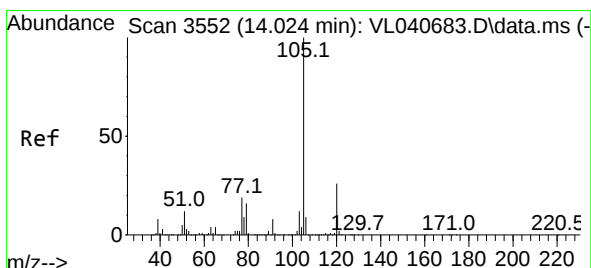
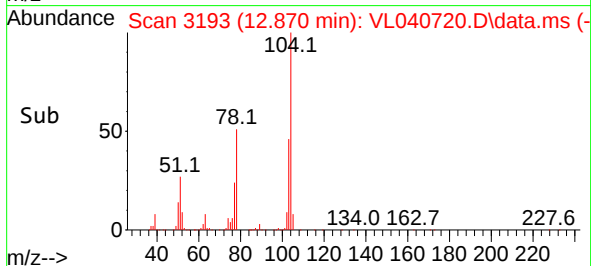
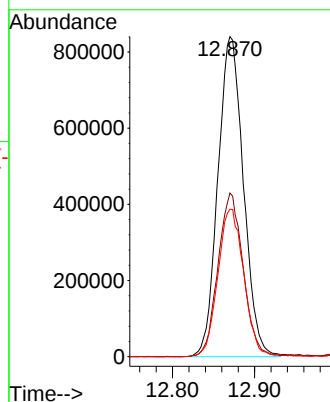
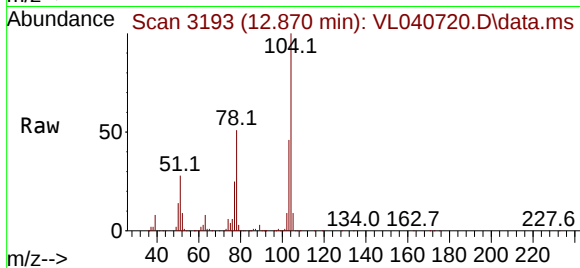
103 47.1 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#62

Isopropylbenzene

Concen: 9.673 ppbv

RT: 14.002 min Scan# 3545

Delta R.T. -0.035 min

Lab File: VL040720.D

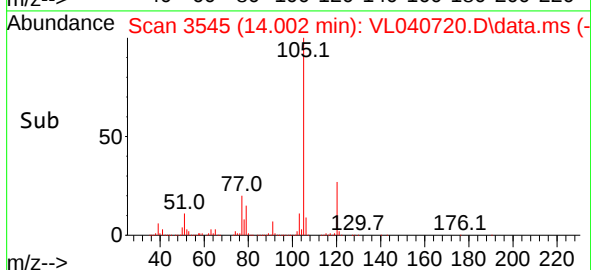
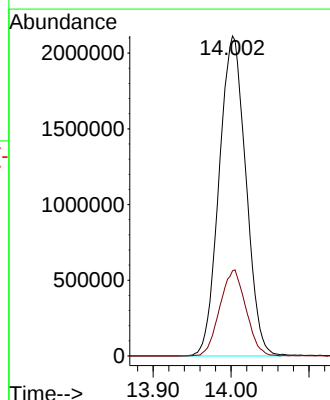
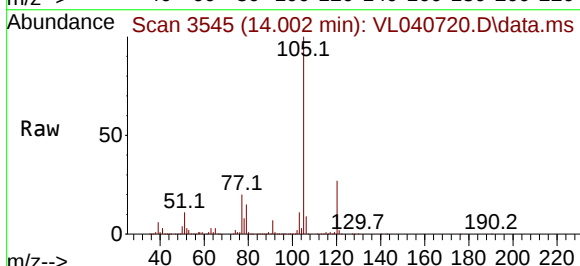
Acq: 27 Sep 2023 8:57

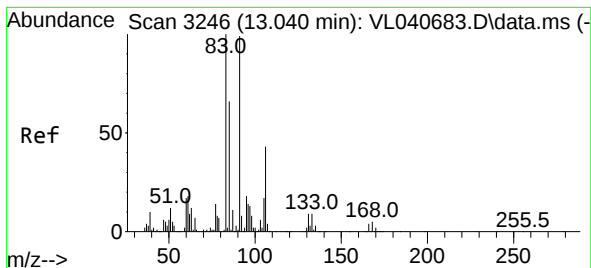
Tgt Ion:105 Resp: 5032803

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.4





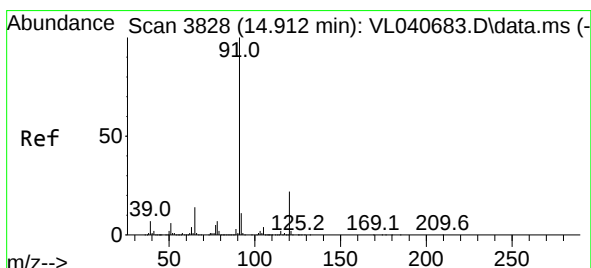
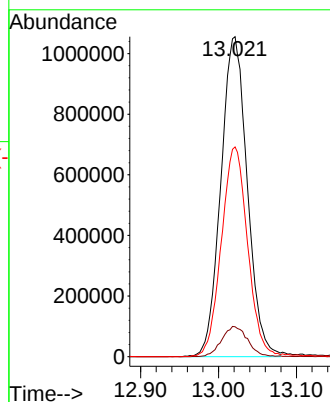
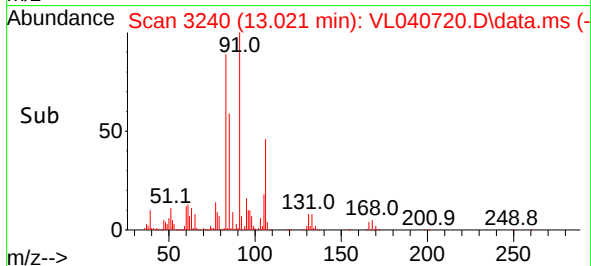
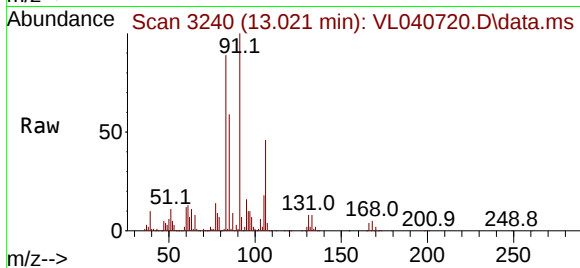
#63
1,1,2,2-Tetrachloroethane
Concen: 9.191 ppbv
RT: 13.021 min Scan# 31
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2482460
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.1
85 65.7 33.1 99.3

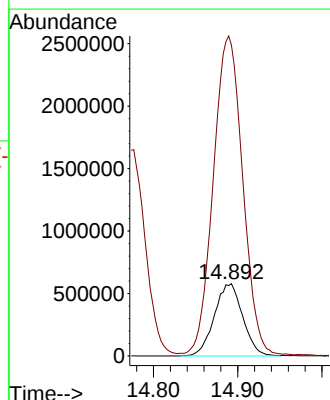
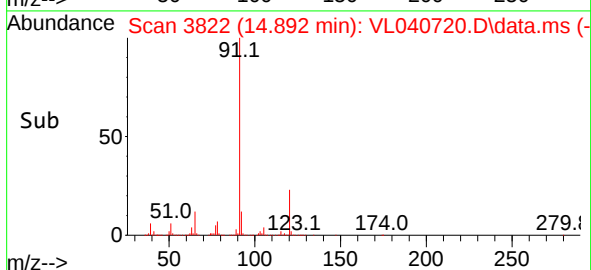
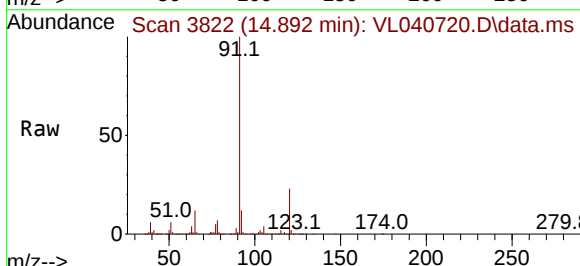
Manual Integrations
APPROVED

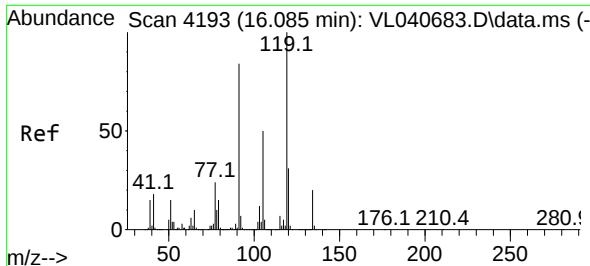
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#64
n-propylbenzene
Concen: 10.390 ppbv
RT: 14.892 min Scan# 3822
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

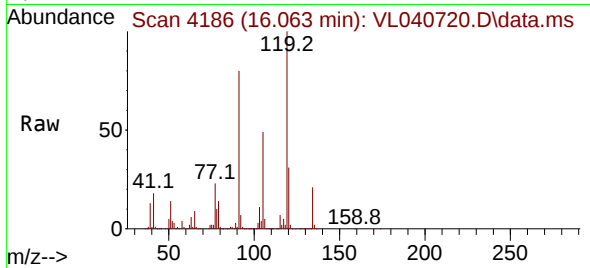
Tgt Ion:120 Resp: 1351643
Ion Ratio Lower Upper
120 100
91 463.2 386.9 580.3





#65
tert-Butylbenzene
Concen: 9.585 ppbv
RT: 16.063 min Scan# 41
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

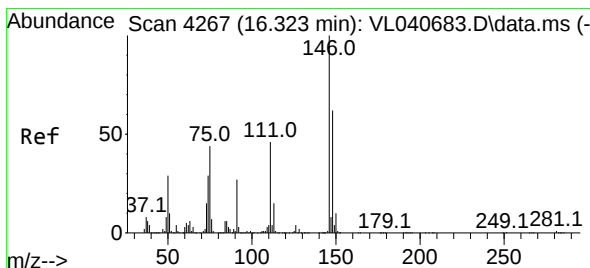
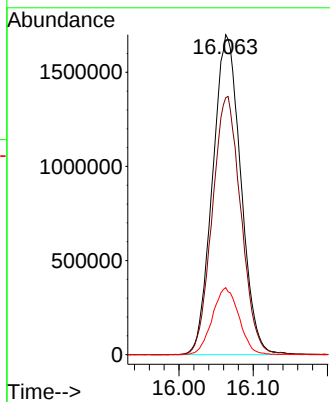
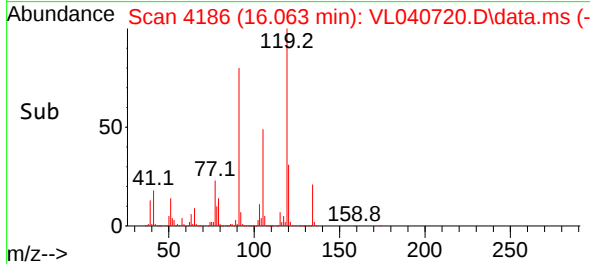
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 119 Resp: 447611
Ion Ratio Lower Upper
119 100
91 82.1 69.8 104.8
134 19.9 15.4 23.2

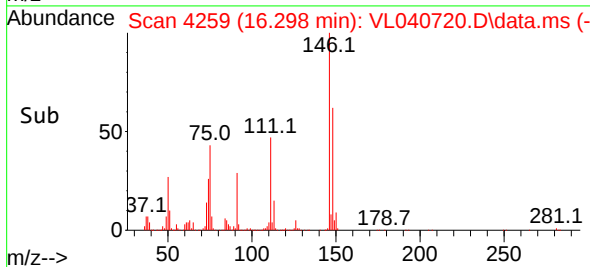
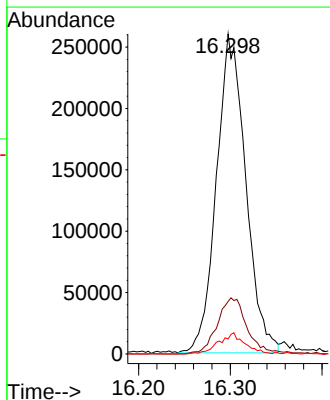
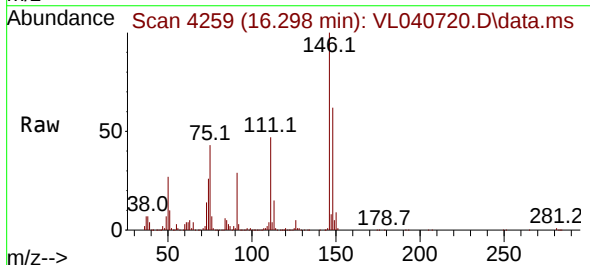
Manual Integrations
APPROVED

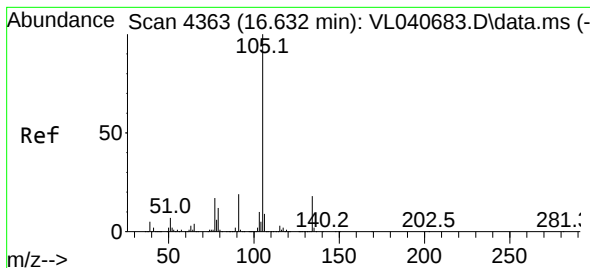
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#66
Benzyl Chloride
Concen: 10.576 ppbv
RT: 16.298 min Scan# 4259
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 91 Resp: 576423
Ion Ratio Lower Upper
91 100
126 18.2 13.6 20.4
128 5.9 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.343 ppbv

RT: 16.606 min Scan# 41

Delta R.T. -0.038 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 624632

Ion Ratio Lower Upper

105 100

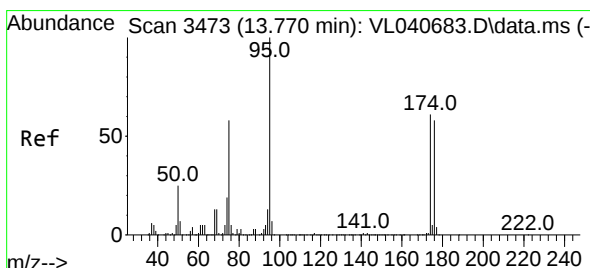
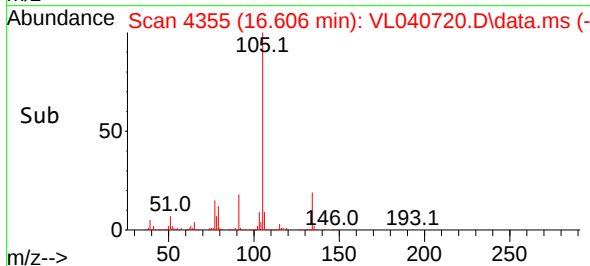
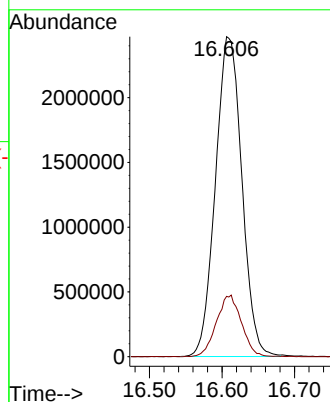
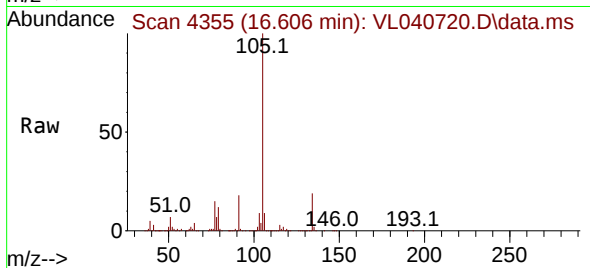
134 18.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.221 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. -0.038 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

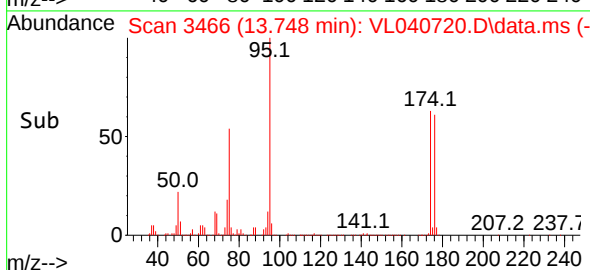
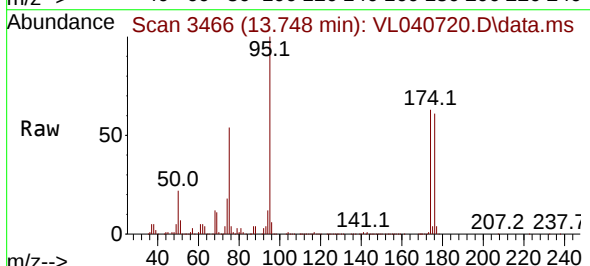
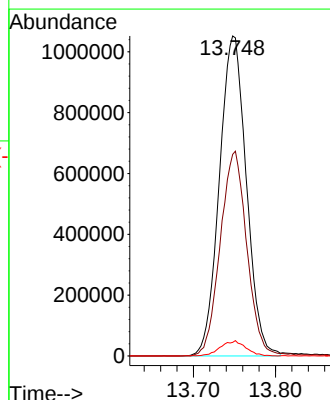
Tgt Ion: 95 Resp: 2404764

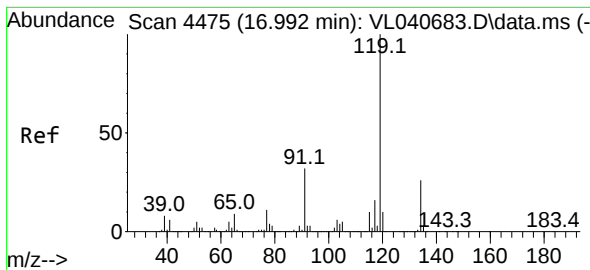
Ion Ratio Lower Upper

95 100

174 63.8 48.9 73.3

175 4.6 3.5 5.3





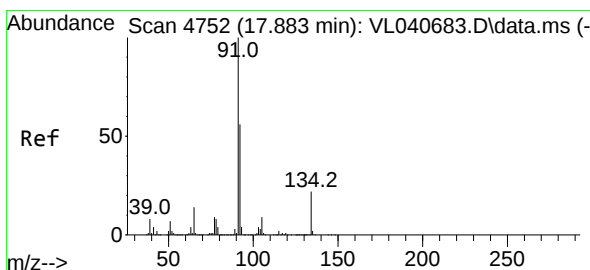
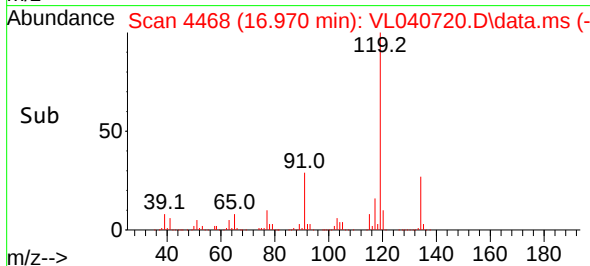
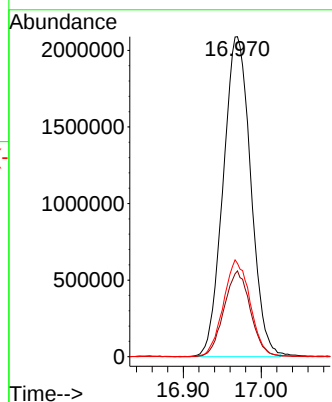
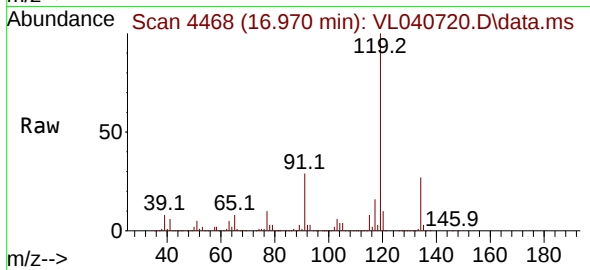
#69
p-Isopropyltoluene
Concen: 9.762 ppbv
RT: 16.970 min Scan# 4475
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 512928
Ion Ratio Lower Upper
119 100
134 25.8 20.2 30.2
91 29.4 25.0 37.6

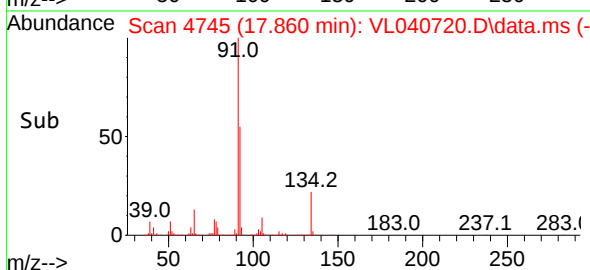
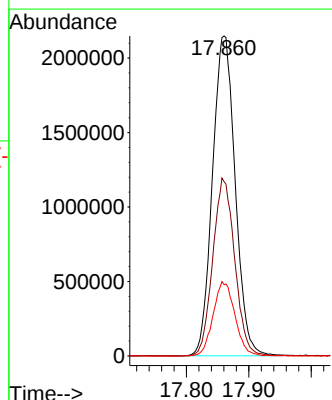
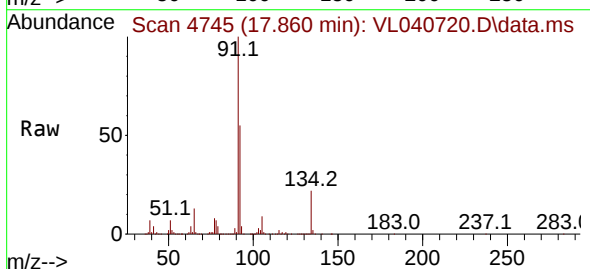
Manual Integrations
APPROVED

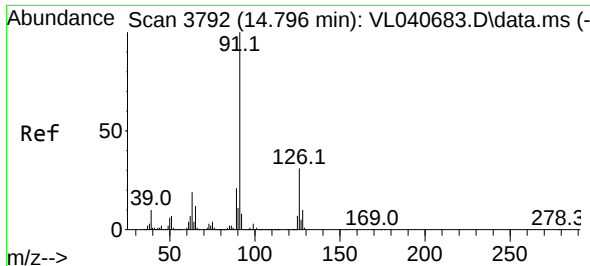
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#70
n-Butylbenzene
Concen: 9.402 ppbv
RT: 17.860 min Scan# 4745
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion: 91 Resp: 5437105
Ion Ratio Lower Upper
91 100
92 53.8 42.7 64.1
134 22.4 17.0 25.4





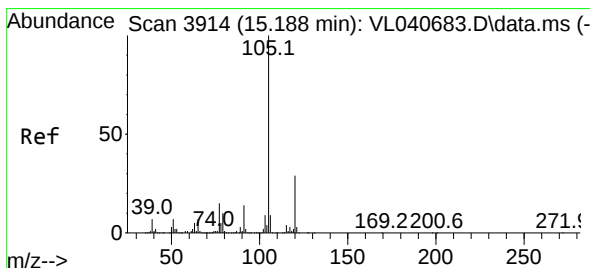
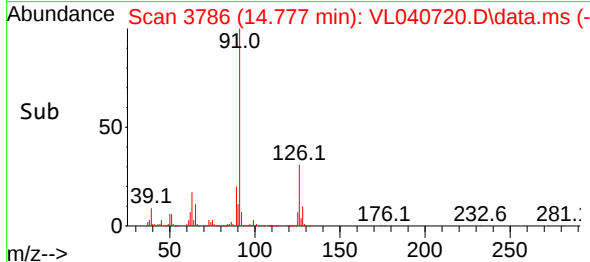
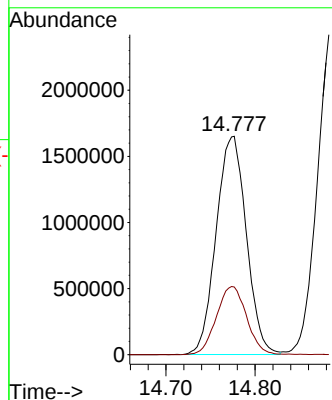
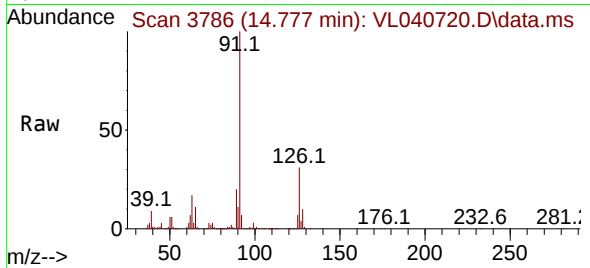
#71
2-Chlorotoluene
Concen: 10.097 ppbv
RT: 14.777 min Scan# 31
Delta R.T. -0.032 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 388695
Ion Ratio Lower Upper
91 100
126 31.4 12.0 47.8

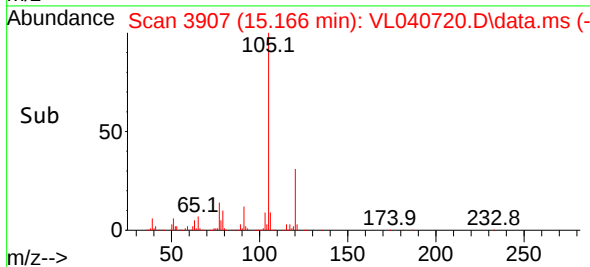
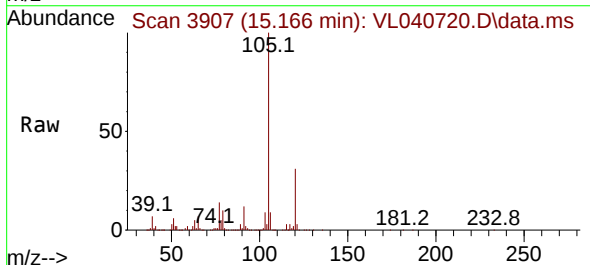
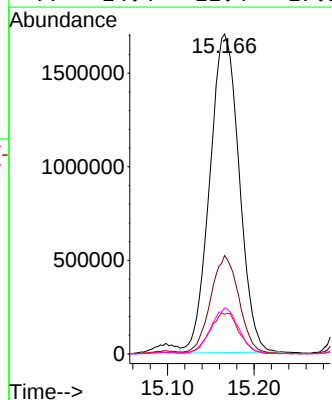
Manual Integrations
APPROVED

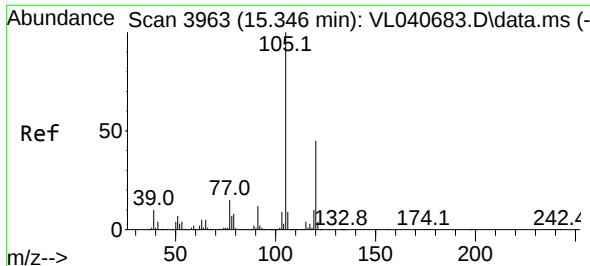
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#72
4-Ethyltoluene
Concen: 10.381 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. -0.035 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

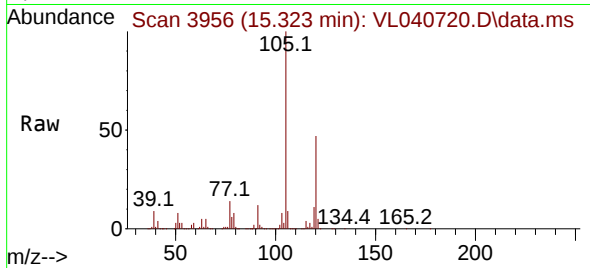
Tgt Ion:105 Resp: 4011794
Ion Ratio Lower Upper
105 100
120 30.3 23.9 35.9
91 13.5 11.0 16.4
77 14.4 11.4 17.2





#73
1,3,5-Trimethylbenzene
Concen: 9.984 ppbv
RT: 15.323 min Scan# 3963
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

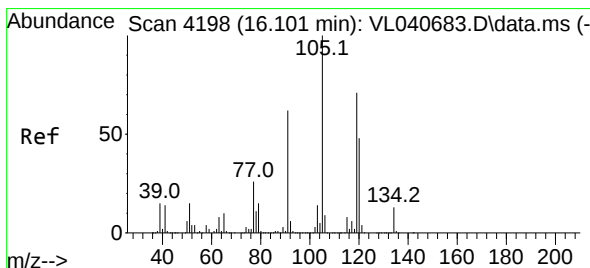
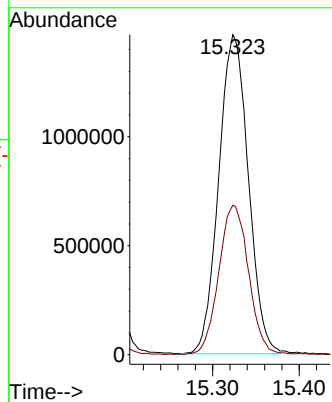
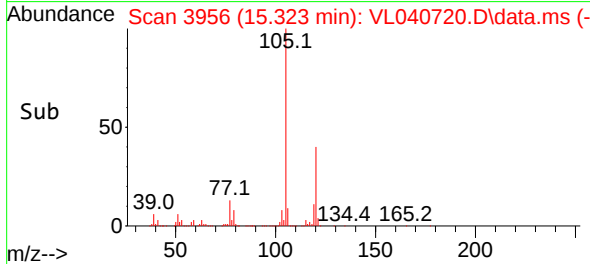
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:105 Resp: 3474029
Ion Ratio Lower Upper
105 100
120 46.8 36.1 54.1

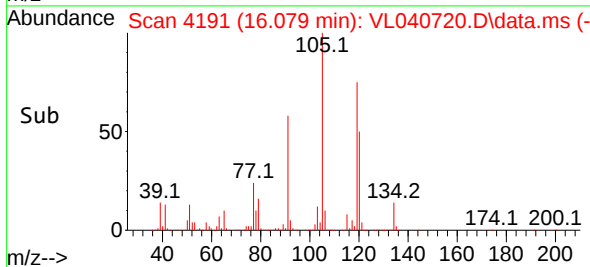
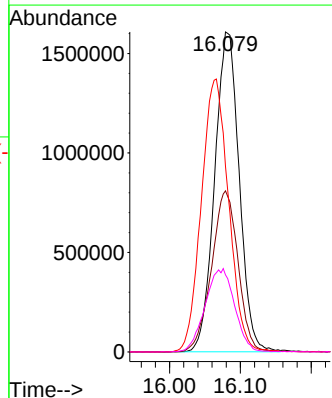
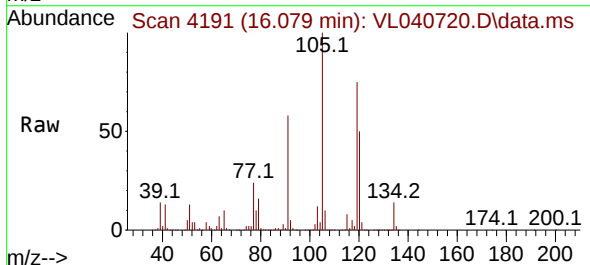
Manual Integrations
APPROVED

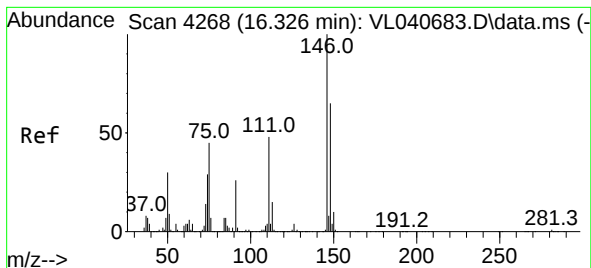
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023



#74
1,2,4-Trimethylbenzene
Concen: 9.133 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

Tgt Ion:105 Resp: 3874049
Ion Ratio Lower Upper
105 100
120 50.2 38.6 57.8
91 57.9 50.0 75.0
77 23.9 20.6 31.0





#75

1,3-Dichlorobenzene

Concen: 9.452 ppbv

RT: 16.304 min Scan# 4305

Delta R.T. -0.035 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 228459

Ion Ratio Lower Upper

146 100

111 46.6 23.9 71.7

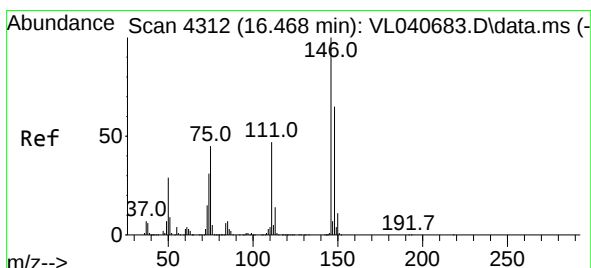
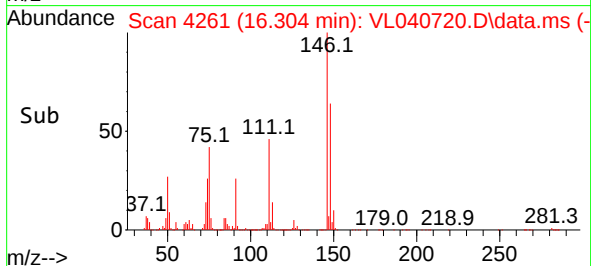
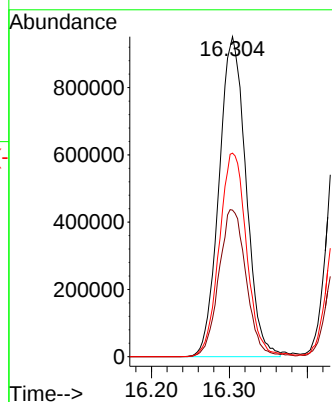
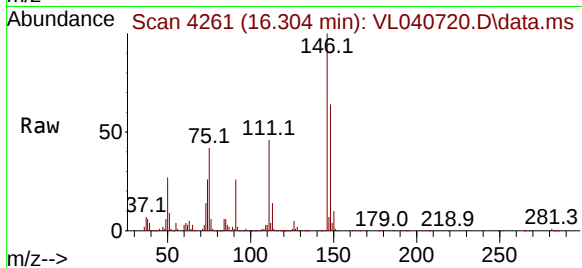
148 64.7 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#76

1,4-Dichlorobenzene

Concen: 9.378 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. -0.035 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

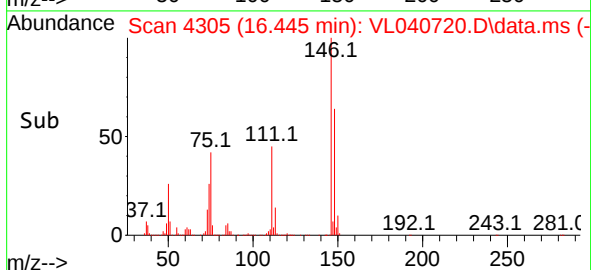
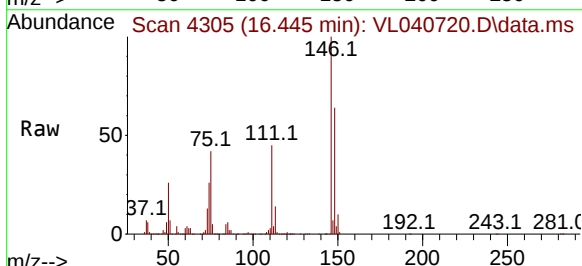
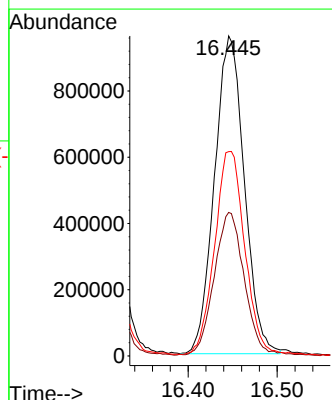
Tgt Ion:146 Resp: 2230323

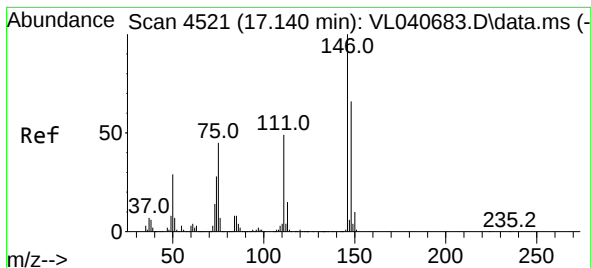
Ion Ratio Lower Upper

146 100

111 45.7 23.8 71.2

148 65.7 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 9.176 ppbv

RT: 17.114 min Scan# 4513

Delta R.T. -0.038 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2208979

Ion Ratio Lower Upper

146 100

111 47.8 25.0 75.0

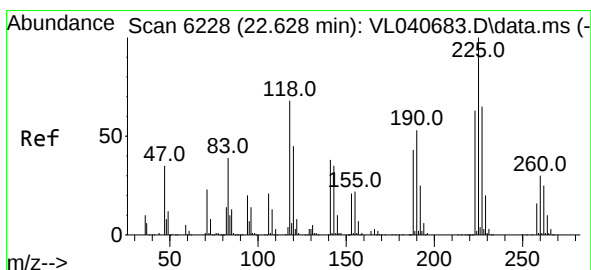
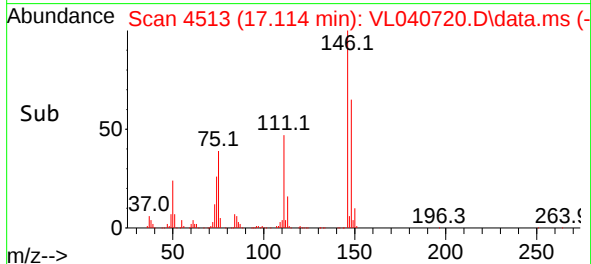
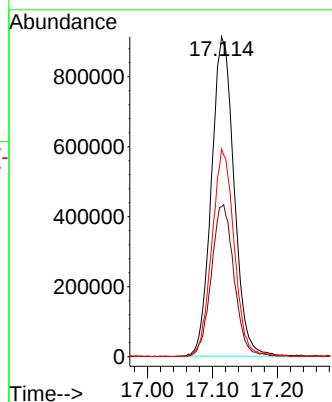
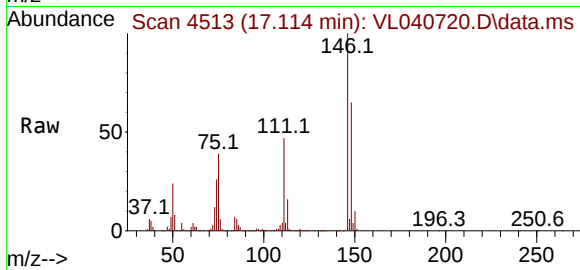
148 64.1 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023



#78

Hexachloro-1,3-Butadiene

Concen: 8.367 ppbv

RT: 22.606 min Scan# 6221

Delta R.T. -0.032 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

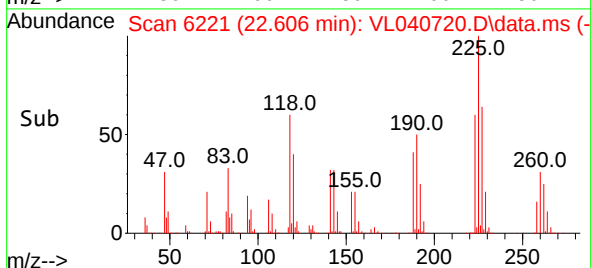
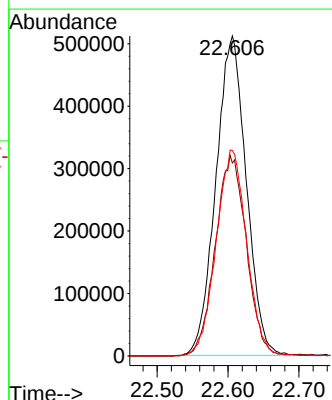
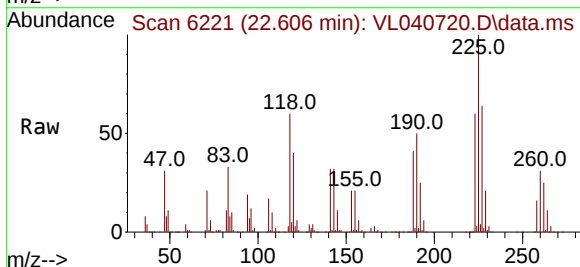
Tgt Ion:225 Resp: 1524091

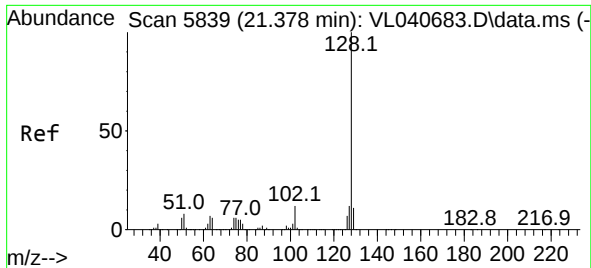
Ion Ratio Lower Upper

225 100

223 64.4 51.2 76.8

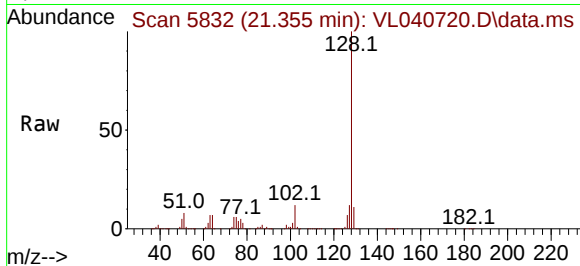
227 65.1 50.7 76.1





#79
Naphthalene
Concen: 11.790 ppbv
RT: 21.355 min Scan# 5832
Delta R.T. -0.038 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57

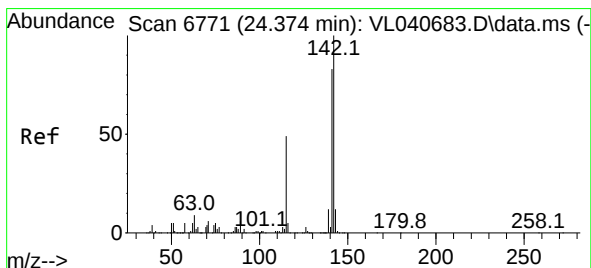
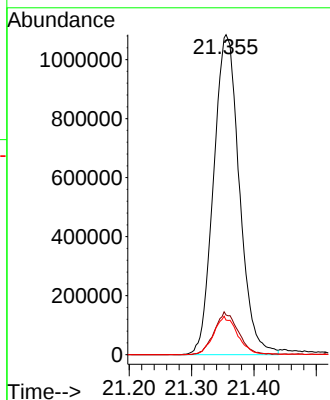
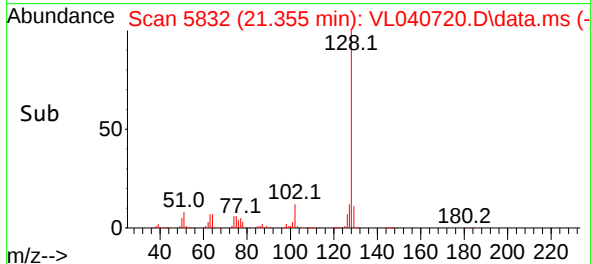
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



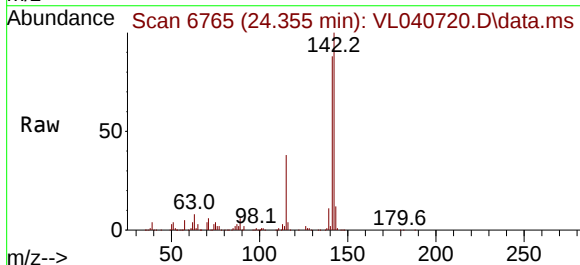
Tgt Ion:128 Resp: 311221
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.6
129 10.8 8.4 12.6

Manual Integrations
APPROVED

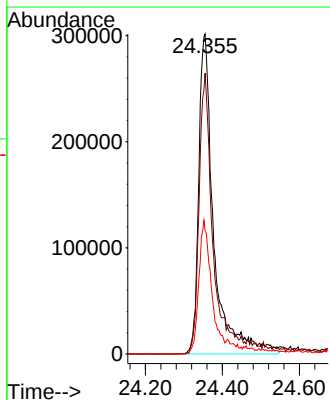
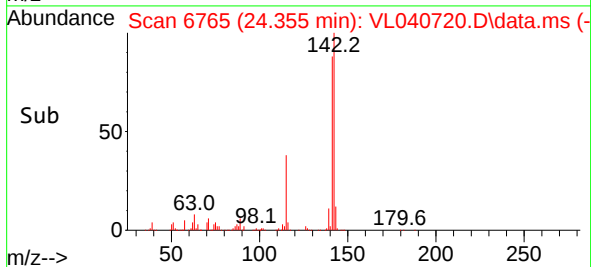
Reviewed By :Semsettin Yesilyurt 09/28/2023
Supervised By :Mahesh Dadoda 09/28/2023

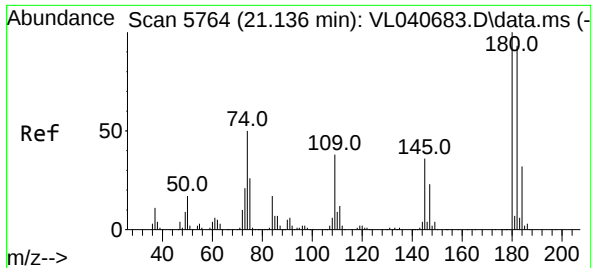


#80
Naphthalene,2-methyl-
Concen: 12.746 ppbv
RT: 24.355 min Scan# 6765
Delta R.T. -0.026 min
Lab File: VL040720.D
Acq: 27 Sep 2023 8:57



Tgt Ion:142 Resp: 824107
Ion Ratio Lower Upper
142 100
141 84.9 67.0 100.6
115 41.0 37.4 56.2





#81

1,2,4-Trichlorobenzene

Concen: 9.560 ppbv

RT: 21.114 min Scan# 51

Delta R.T. -0.035 min

Lab File: VL040720.D

Acq: 27 Sep 2023 8:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 1648369

Ion Ratio Lower Upper

180 100

182 96.3 77.9 116.9

184 30.8 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/28/2023

Supervised By :Mahesh Dadoda 09/28/2023

