

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040003.D
 Acq On : 13 Dec 2022 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 14:17:55 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	788282	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2453598	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.446	117	2425084	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1811684 9.781 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1024450	9.074	ppbv	99
3) Chlorodifluoromethane	2.652	51	1088159	10.003	ppbv	100
4) Chloromethane	2.793	50	618217	8.894	ppbv	95
5) Vinyl Chloride	2.899	62	576504	10.614	ppbv	97
6) Bromomethane	3.096	94	246586	13.309	ppbv	99
7) Chloroethane	3.176	64	215805	10.052	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	1363952	10.581	ppbv	99
9) Propene	2.674	41	475026	9.271	ppbv	98
10) Heptane	7.558	43	1218471	9.855	ppbv	98
11) Trichlorofluoromethane	3.542	101	1416584	10.287	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1102962	10.583	ppbv	97
13) Ethanol	3.218	45	32643m	8.344	ppbv	
14) Bromoethene	3.343	108	416681	10.252	ppbv	97
15) Acetone	3.446	43	1042861	9.974	ppbv	100
16) 1,3-Butadiene	2.964	39	534543	10.258	ppbv	98
17) tert-Butyl alcohol	3.854	59	1247427	10.377	ppbv	100
18) 1,1-Dichloroethene	3.858	96	480612	10.109	ppbv	97
19) Isopropyl Alcohol	3.552	45	536921	9.484	ppbv #	32
20) Methylene Chloride	3.912	84	414054	8.174	ppbv	97
21) Allyl Chloride	3.973	41	702888	9.691	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	488877	10.112	ppbv	97
23) Vinyl Acetate	4.604	43	183478	4.271	ppbv #	98
24) 1,1-Dichloroethane	4.539	63	1068057	10.312	ppbv	99
25) Ethyl Acetate	5.179	43	2271589	11.833	ppbv	99
26) Hexane	5.189	57	851746	10.157	ppbv	87
27) Carbon Disulfide	4.102	76	1069946	10.106	ppbv	99
28) Methyl tert-Butyl Ether	4.562	73	1044168	9.945	ppbv	100
29) Chloroform	5.253	83	1206546	10.826	ppbv	98
30) Cyclohexane	6.578	84	832402	10.115	ppbv	97
31) cis-1,2-Dichloroethene	5.057	61	805979	10.403	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1418241	10.190	ppbv	98
34) 2-Butanone	4.764	43	1191510	10.149	ppbv	98
35) Carbon Tetrachloride	6.472	117	1425847	10.233	ppbv	98
36) Benzene	6.346	78	2073831	9.944	ppbv	96
37) 1,2-Dichloroethane	5.784	62	1098011	9.607	ppbv	99
38) Trichloroethene	7.272	130	951279	8.160	ppbv	99
39) 1,2-Dichloropropane	7.054	63	789902	9.721	ppbv	98
40) 1,4-Dioxane	7.266	88	328692	10.154	ppbv #	1
41) Tetrahydrofuran	5.533	42	798360	9.850	ppbv	96
42) Bromodichloromethane	7.227	83	1589018	10.252	ppbv	100
43) Methyl Methacrylate	7.452	69	873186	10.679	ppbv	97
44) 2,2,4-Trimethylpentane	7.304	57	3373783	9.690	ppbv	98
45) t-1,3-Dichloropropene	8.690	75	731321	9.681	ppbv	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

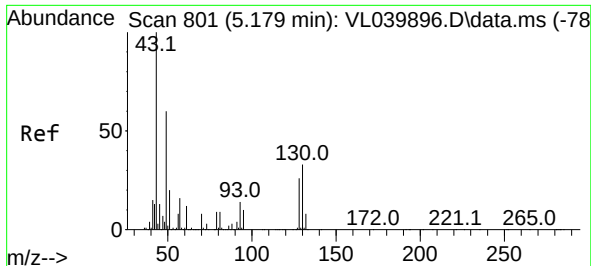
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

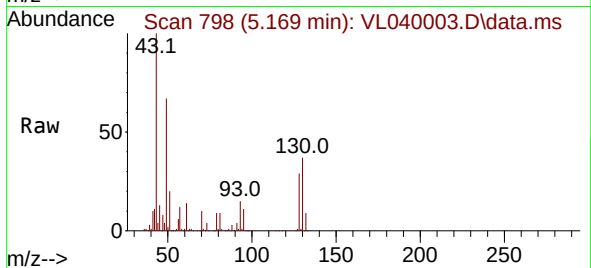
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1017197	9.720	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	846216	10.133	ppbv	97
48) Dibromochloromethane	9.690	129	1340304	10.958	ppbv	100
49) Bromoform	12.388	173	1118669	11.299	ppbv	100
50) 4-Methyl-2-Pentanone	8.160	43	2088119	9.931	ppbv	100
51) 2-Hexanone	9.529	43	1634471	10.013	ppbv #	100
52) Tetrachloroethene	10.597	164	730773	9.367	ppbv	98
53) Toluene	9.201	91	2372083	9.984	ppbv	99
54) 1,2-Dibromoethane	9.986	107	1082896	12.151	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	1036260	10.454	ppbv	95
57) Chlorobenzene	11.507	112	1785858	9.631	ppbv	98
58) Ethyl Benzene	12.069	91	3153385	9.585	ppbv	97
59) m/p-Xylene	12.352	91	5243341m	19.042	ppbv	
60) o-Xylene	13.040	91	2496646	9.507	ppbv	100
61) Styrene	12.880	104	1538999	9.818	ppbv	98
62) Isopropylbenzene	14.011	105	3843837	10.151	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.031	83	1370700	15.632	ppbv	100
64) n-propylbenzene	14.902	120	1017142	10.268	ppbv	94
65) tert-Butylbenzene	16.076	119	3342361	10.089	ppbv	98
66) Benzyl Chloride	16.310	91	193302m	6.809	ppbv	
67) sec-Butylbenzene	16.619	105	4707257	10.335	ppbv	99
69) p-Isopropyltoluene	16.979	119	3877328	10.334	ppbv	97
70) n-Butylbenzene	17.870	91	3904025	10.495	ppbv	99
71) 2-Chlorotoluene	14.783	91	2874445	10.015	ppbv	100
72) 4-Ethyltoluene	15.179	105	2946124	9.981	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2656785	9.832	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	2803008	9.798	ppbv	97
75) 1,3-Dichlorobenzene	16.314	146	1602517	9.957	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1550725	9.719	ppbv	98
77) 1,2-Dichlorobenzene	17.124	146	1549558	9.986	ppbv	100
78) Hexachloro-1,3-Butadiene	22.616	225	1063810	9.880	ppbv	100
79) Naphthalene	21.365	128	2211831	12.919	ppbv	99
80) Naphthalene,2-methyl-	24.362	142	619371	12.862	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1151735	10.893	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

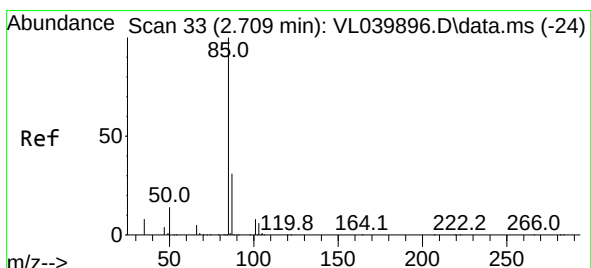
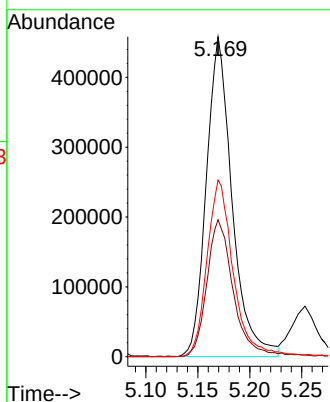
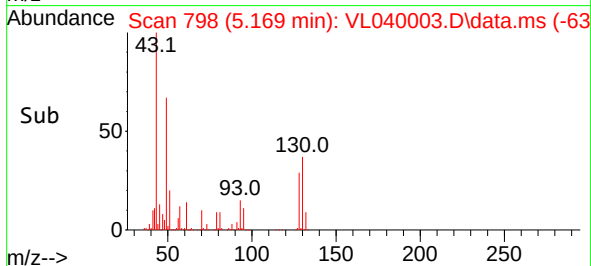
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



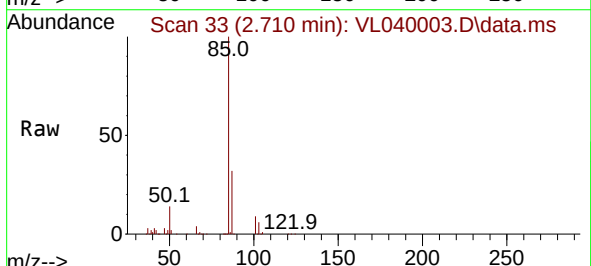
Tgt Ion: 49 Resp: 78828
Ion Ratio Lower Upper
49 100
128 44.3 22.1 66.3
130 57.3 27.7 83.1

Manual Integrations
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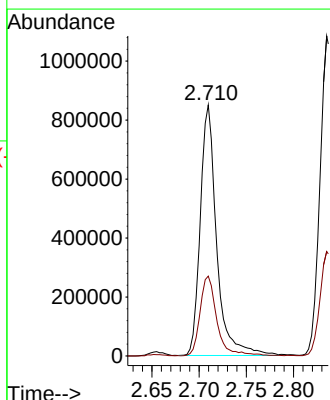
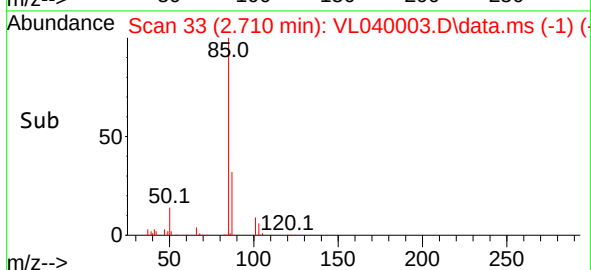
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

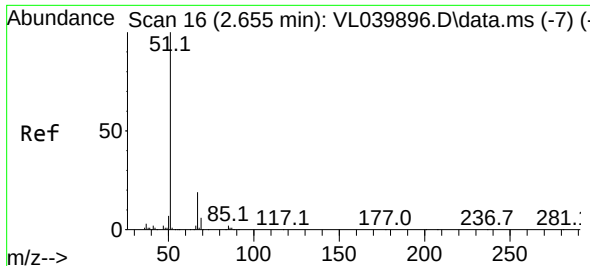


#2
Dichlorodifluoromethane
Concen: 9.074 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 85 Resp: 1024450
Ion Ratio Lower Upper
85 100
87 31.8 25.0 37.4





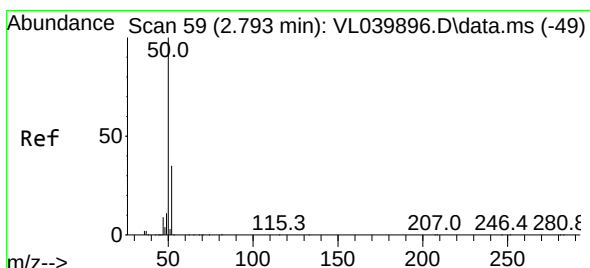
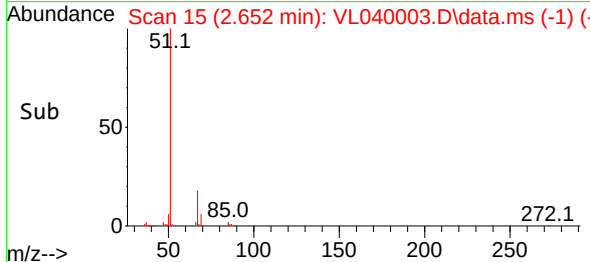
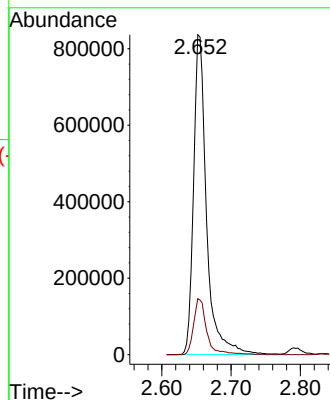
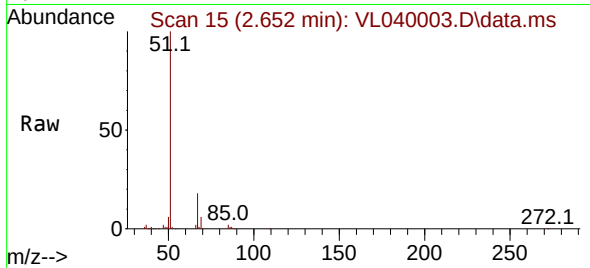
#3
Chlorodifluoromethane
Concen: 10.003 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 1088159
Ion Ratio Lower Upper
51 100
67 17.8 14.2 21.4

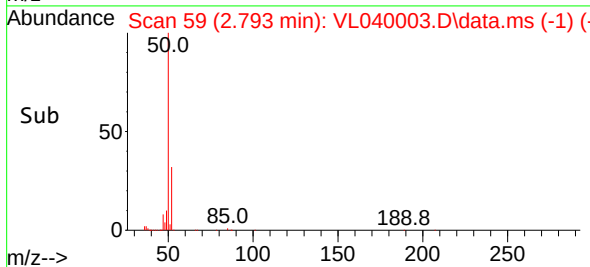
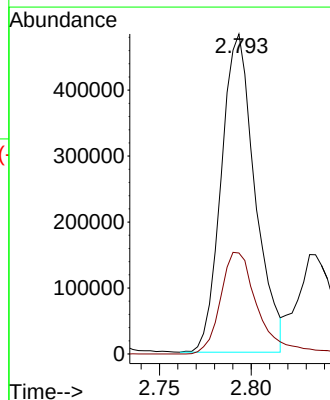
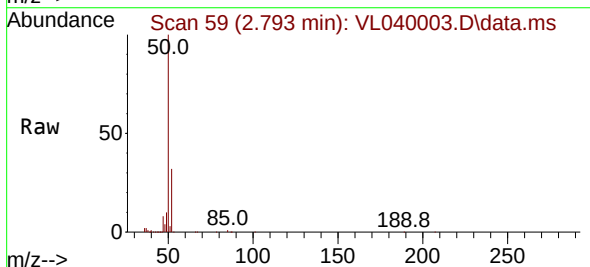
Manual Integrations
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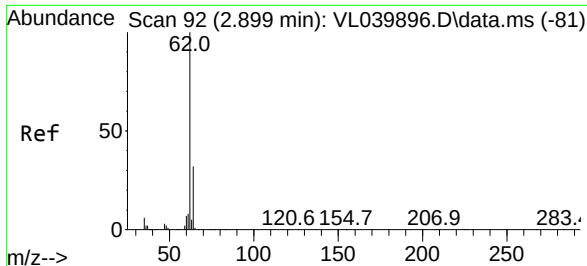
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#4
Chloromethane
Concen: 8.894 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 50 Resp: 618217
Ion Ratio Lower Upper
50 100
52 31.7 27.8 41.8





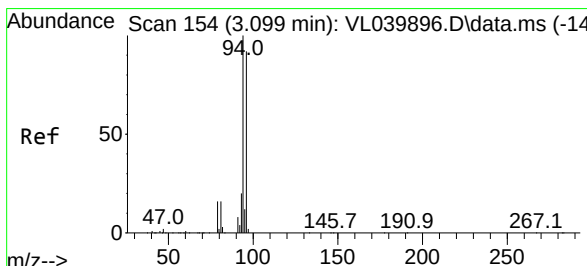
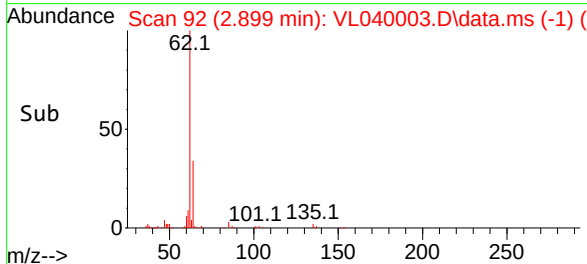
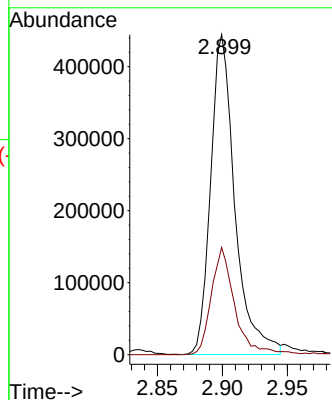
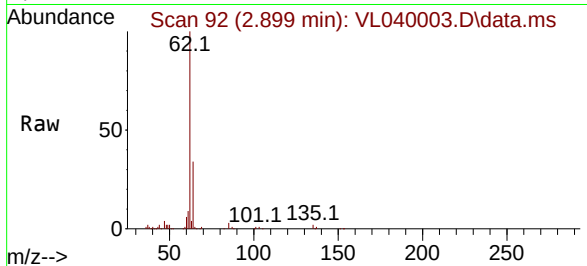
#5
 Vinyl Chloride
 Concen: 10.614 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 576504
 Ion Ratio Lower Upper
 62 100
 64 33.5 25.7 38.5

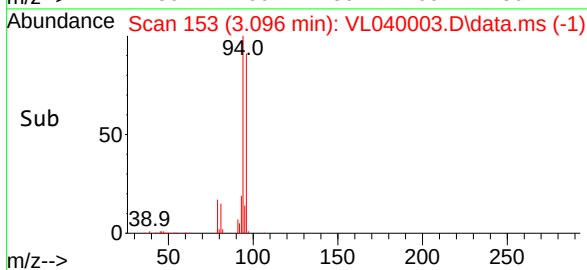
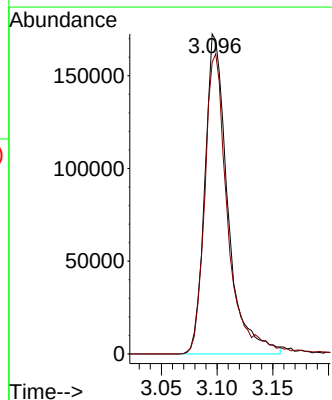
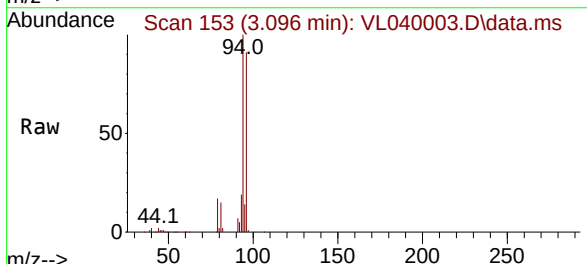
Manual Integrations
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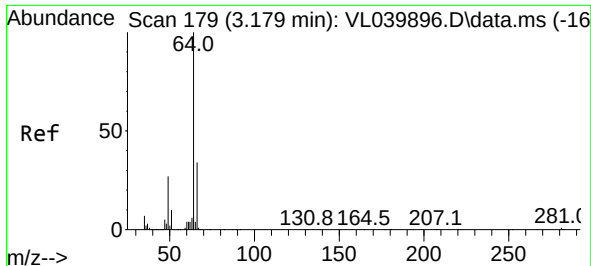
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022



#6
 Bromomethane
 Concen: 13.309 ppbv
 RT: 3.096 min Scan# 153
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

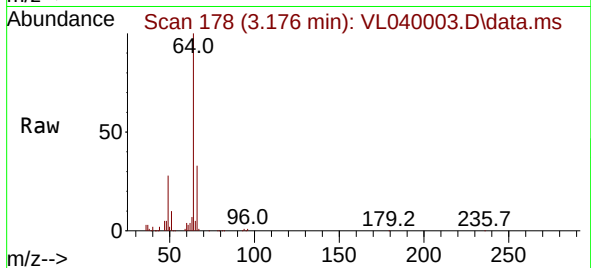
Tgt Ion: 94 Resp: 246586
 Ion Ratio Lower Upper
 94 100
 96 91.2 73.7 110.5





#7
Chloroethane
Concen: 10.052 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

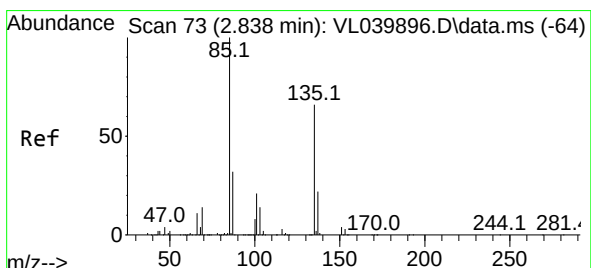
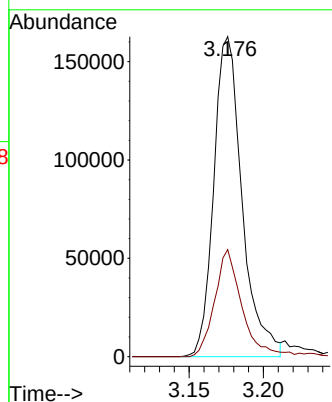
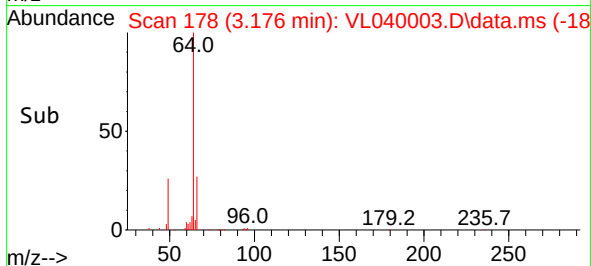
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



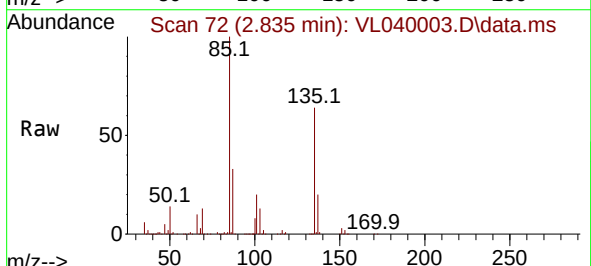
Tgt Ion: 64 Resp: 21580
Ion Ratio Lower Upper
64 100
66 33.5 27.3 40.9

Manual Integrations
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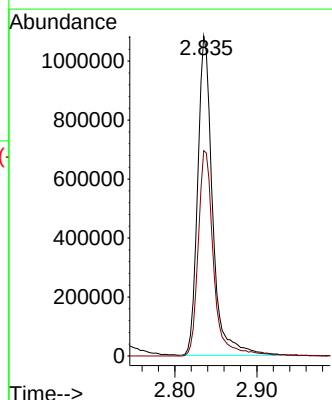
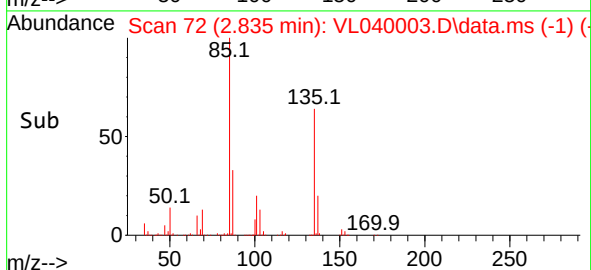
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

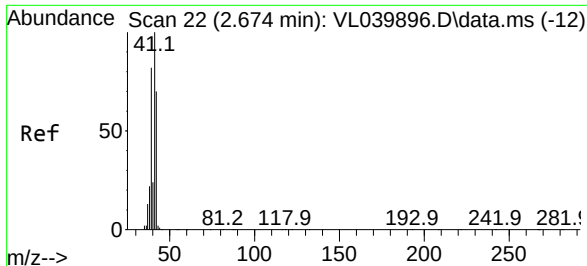


#8
Dichlorotetrafluoroethane
Concen: 10.581 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



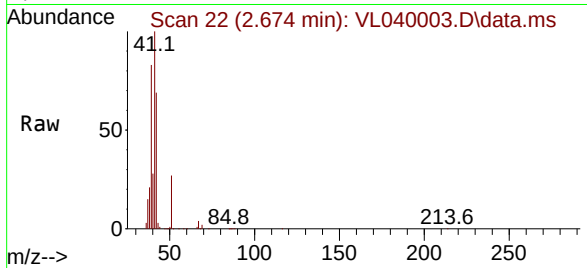
Tgt Ion: 85 Resp: 1363952
Ion Ratio Lower Upper
85 100
135 66.8 54.1 81.1





#9
 Propene
 Concen: 9.271 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

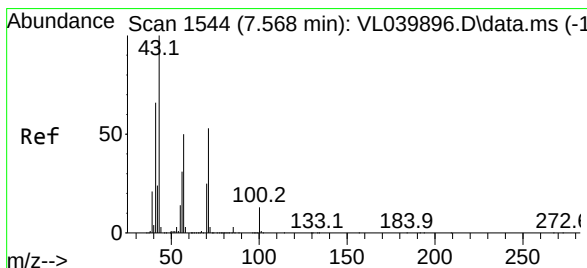
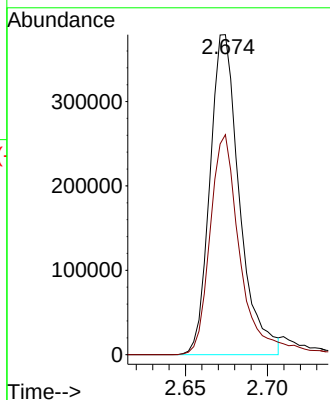
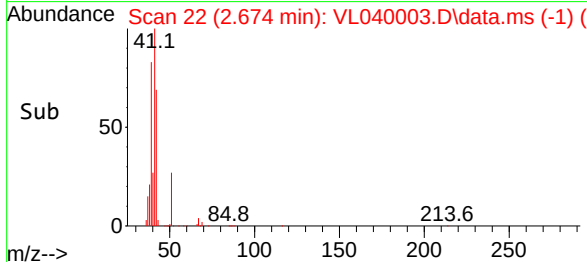
Instrument :
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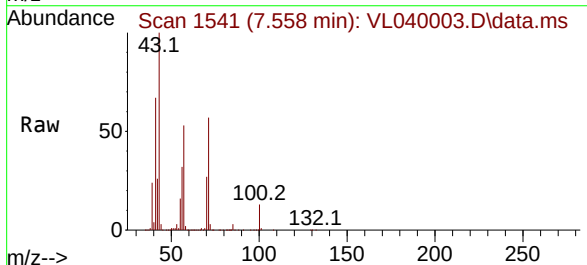
Tgt Ion: 41 Resp: 475020
 Ion Ratio Lower Upper
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 42 71.4 55.8 83.6

Manual Integrations
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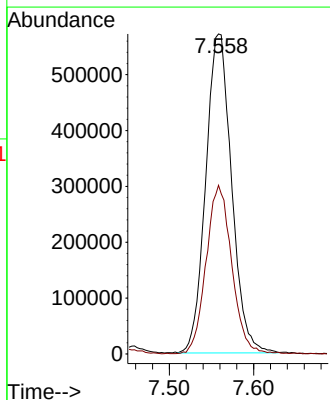
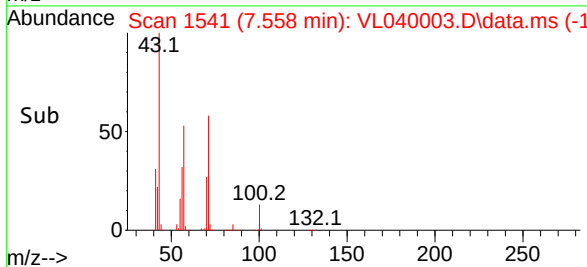
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

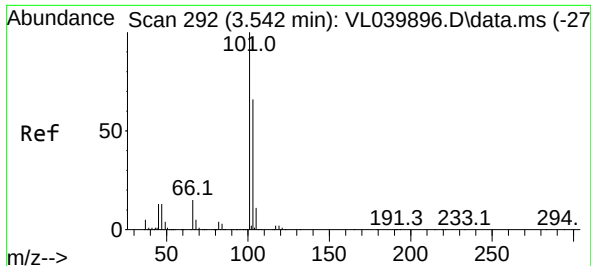


#10
 Heptane
 Concen: 9.855 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50



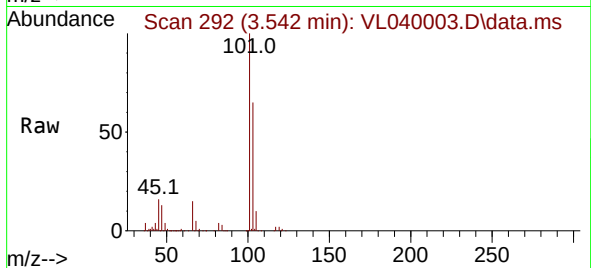
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 Ion Ratio Lower Upper
 43 100
 57 52.5 40.7 61.1





#11
 Trichlorofluoromethane
 Concen: 10.287 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

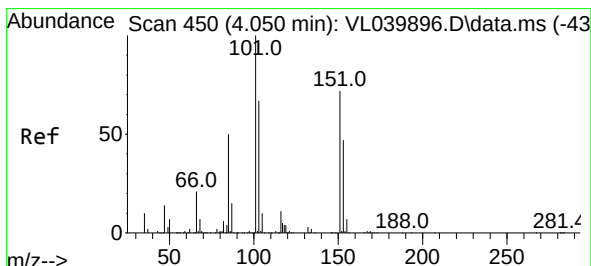
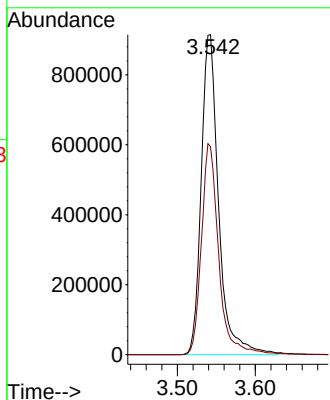
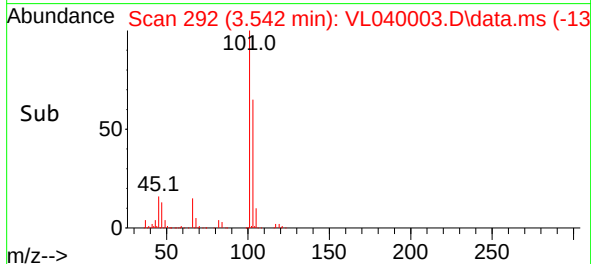
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



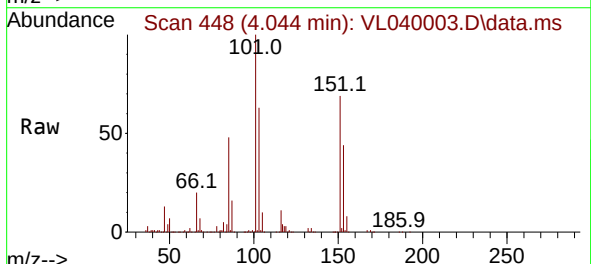
Tgt Ion:101 Resp: 1416584
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

Manual Integrations
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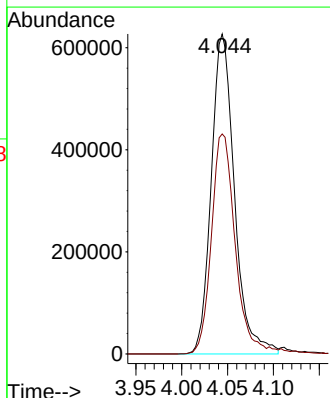
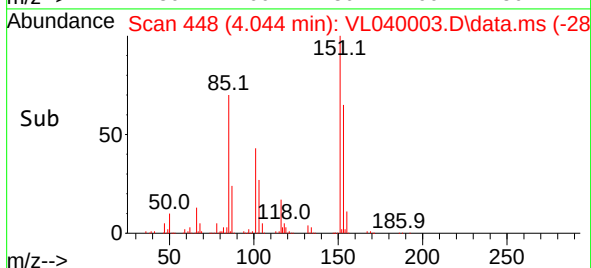
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

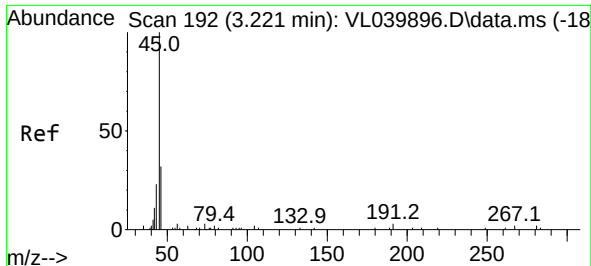


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.583 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50



Tgt Ion:101 Resp: 1102962
 Ion Ratio Lower Upper
 101 100
 151 71.6 59.6 89.4





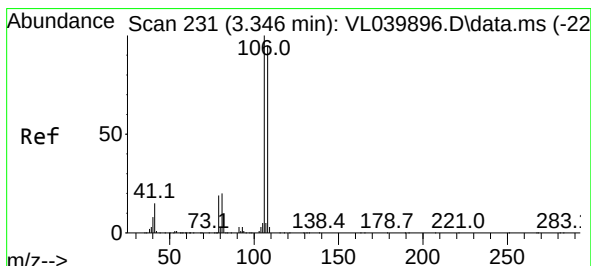
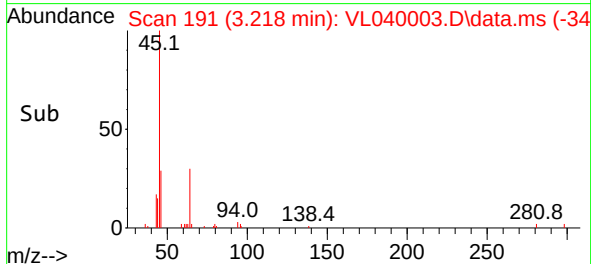
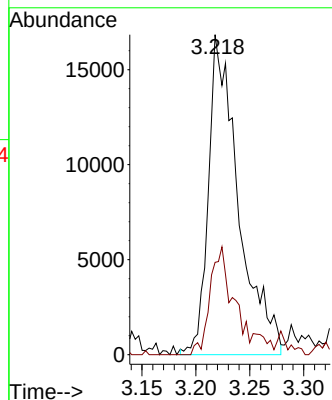
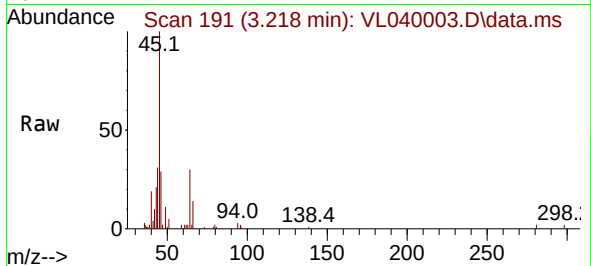
#13
Ethanol
Concen: 8.344 ppbv m
RT: 3.218 min Scan# 192
Delta R.T. 0.003 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 3264
Ion Ratio Lower Upper
45 100
46 31.8 14.6 58.2

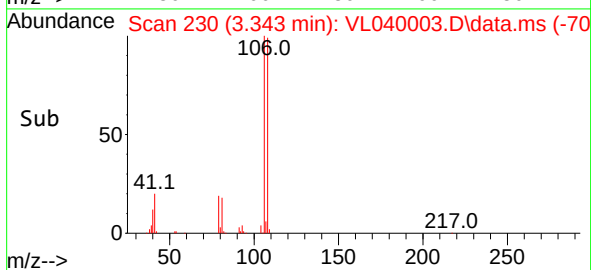
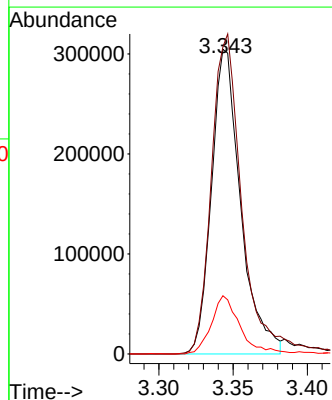
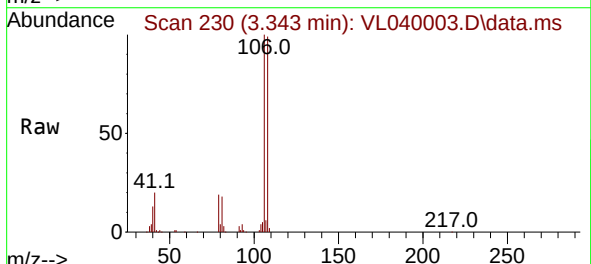
Manual Integrations
APPROVED

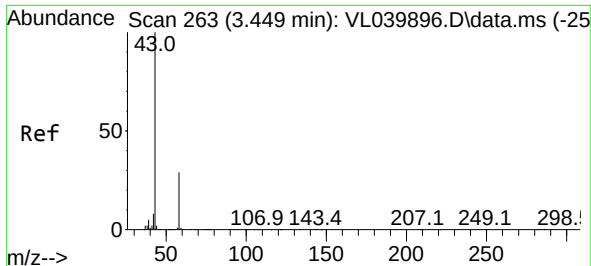
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#14
Bromoethene
Concen: 10.252 ppbv
RT: 3.343 min Scan# 230
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:108 Resp: 416681
Ion Ratio Lower Upper
108 100
106 112.1 87.3 130.9
79 19.4 15.9 23.9





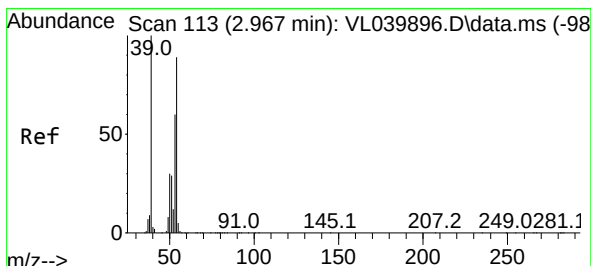
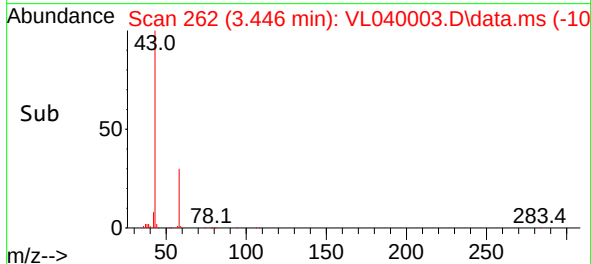
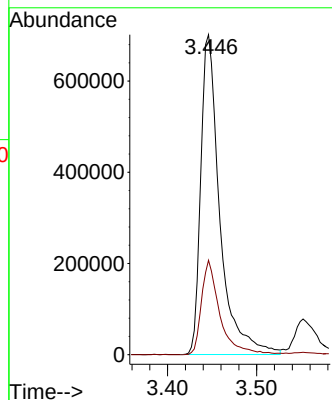
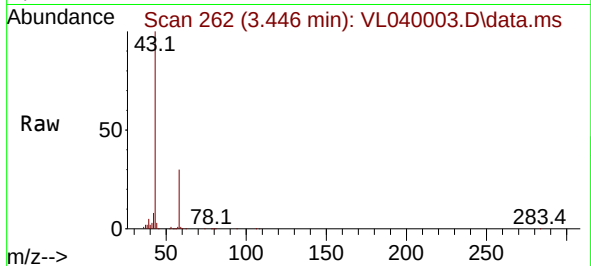
#15
Acetone
Concen: 9.974 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 104286
Ion Ratio Lower Upper
43 100
58 28.7 22.9 34.3

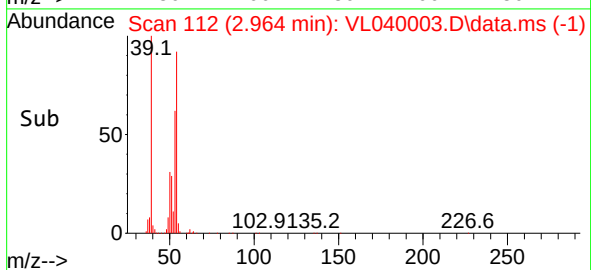
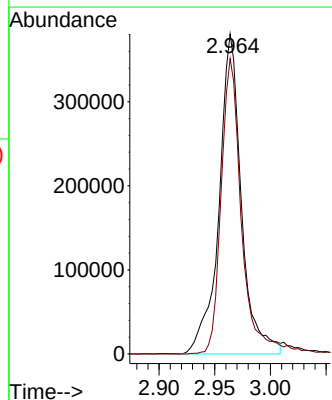
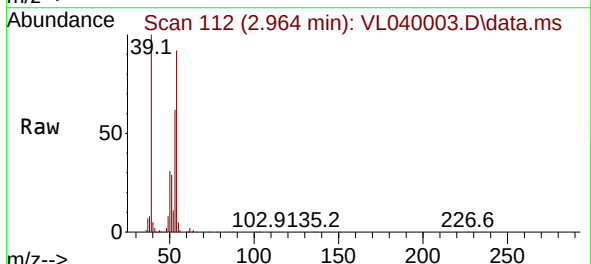
Manual Integrations
APPROVED

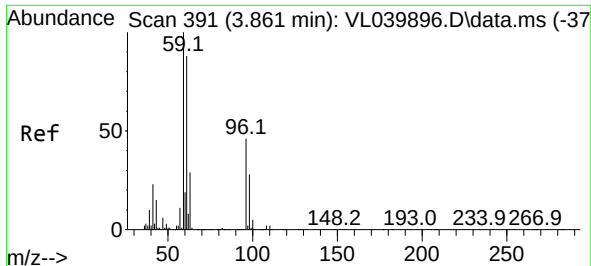
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#16
1,3-Butadiene
Concen: 10.258 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 39 Resp: 534543
Ion Ratio Lower Upper
39 100
54 85.0 66.6 99.8





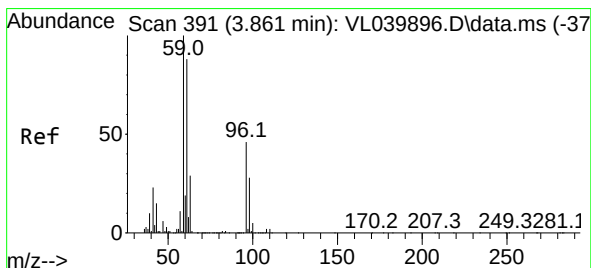
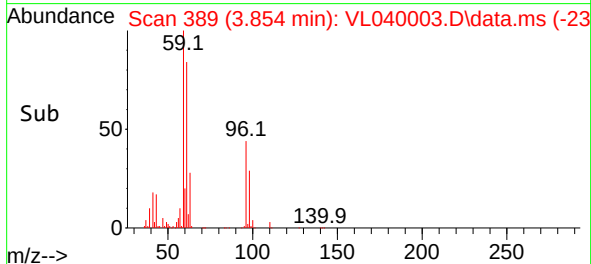
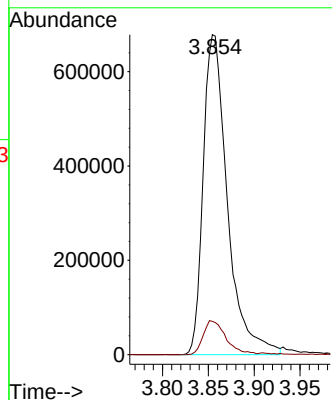
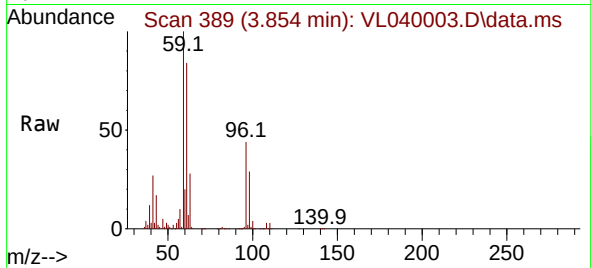
#17
tert-Butyl alcohol
Concen: 10.377 ppbv
RT: 3.854 min Scan# 390
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 124742
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

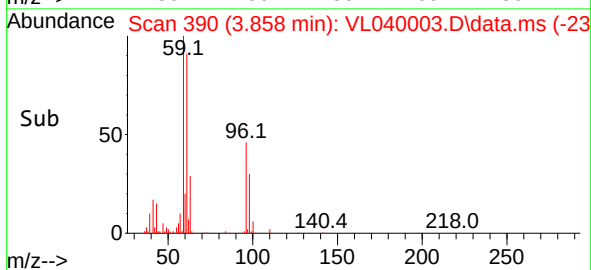
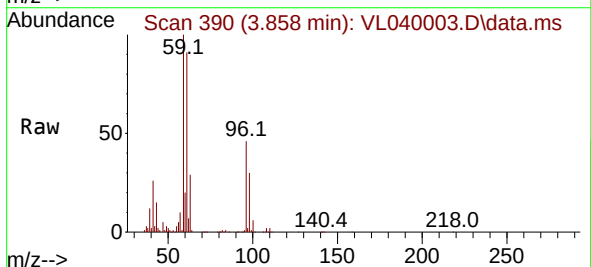
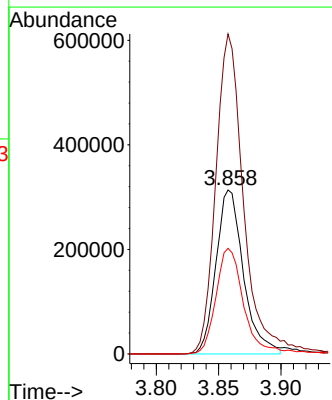
Manual Integrations
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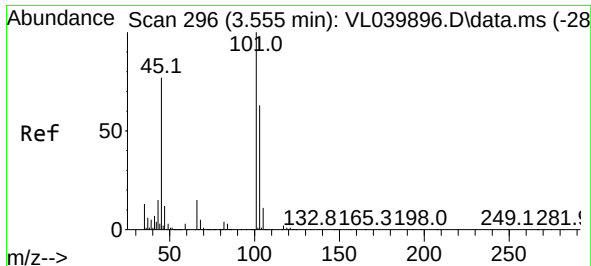
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#18
1,1-Dichloroethene
Concen: 10.109 ppbv
RT: 3.858 min Scan# 390
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

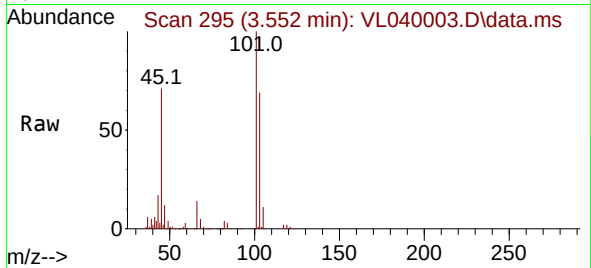
Tgt Ion: 96 Resp: 480612
Ion Ratio Lower Upper
96 100
61 195.1 153.4 230.2
98 64.4 48.9 73.3





#19
Isopropyl Alcohol
Concen: 9.484 ppbv
RT: 3.552 min Scan# 296
Delta R.T. 0.010 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

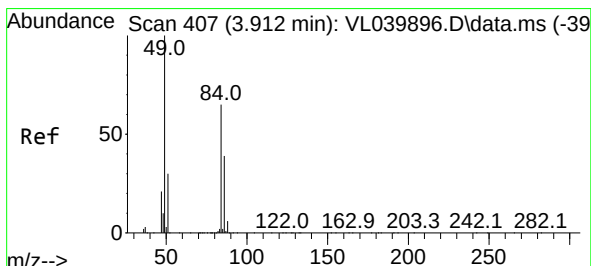
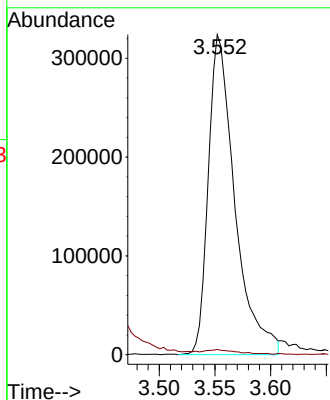
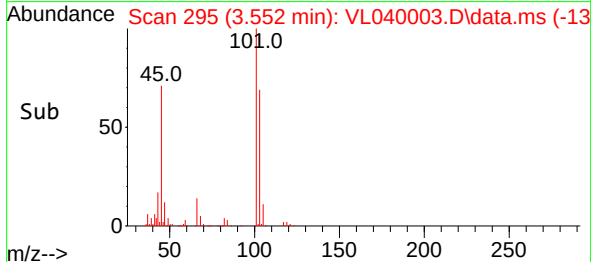
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



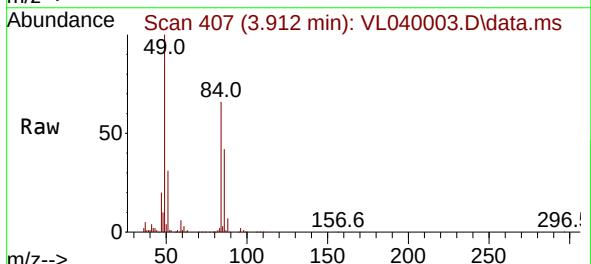
Tgt Ion: 45 Resp: 53692
Ion Ratio Lower Upper
45 100
58 2.4 38.7 58.1

Manual Integrations
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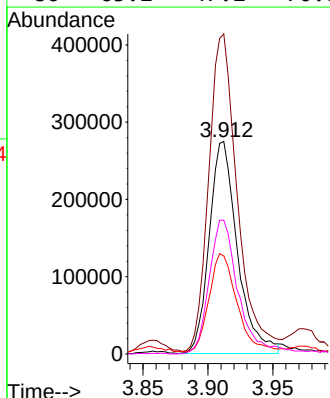
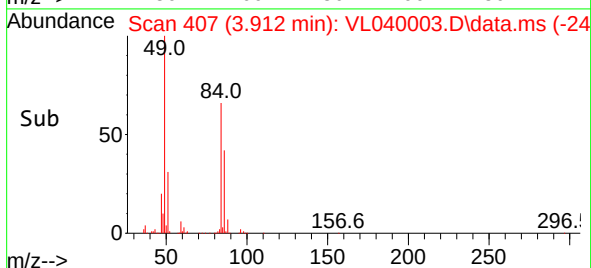
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

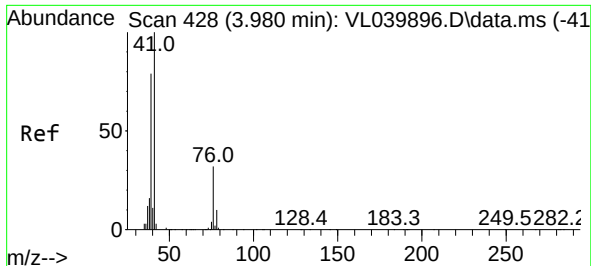


#20
Methylene Chloride
Concen: 8.174 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 84 Resp: 414054
Ion Ratio Lower Upper
84 100
49 149.1 122.2 183.4
51 45.1 36.3 54.5
86 63.2 47.2 70.8





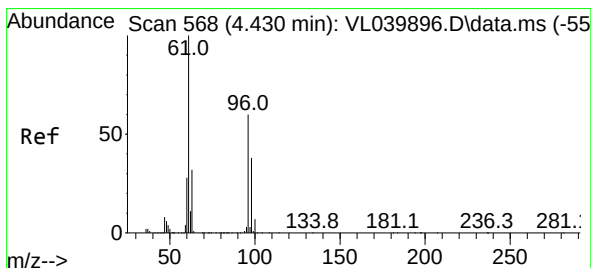
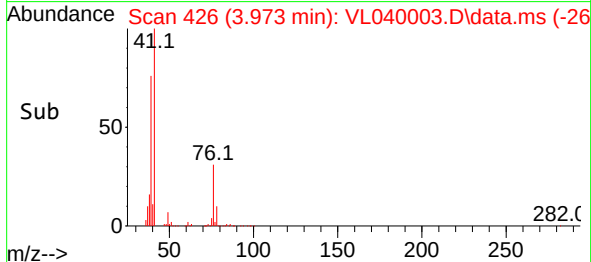
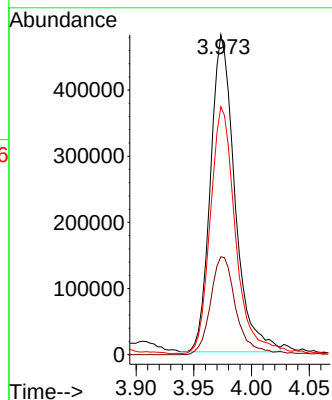
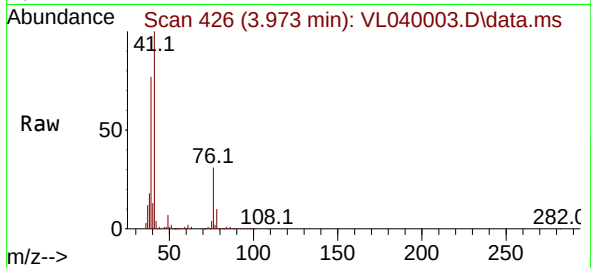
#21
 Allyl Chloride
 Concen: 9.691 ppbv
 RT: 3.973 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 702888
 Ion Ratio Lower Upper
 41 100
 76 32.9 25.6 38.4
 39 81.6 65.2 97.8

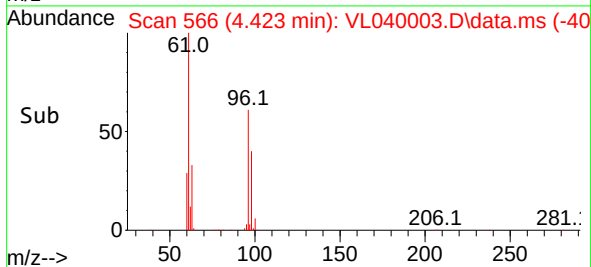
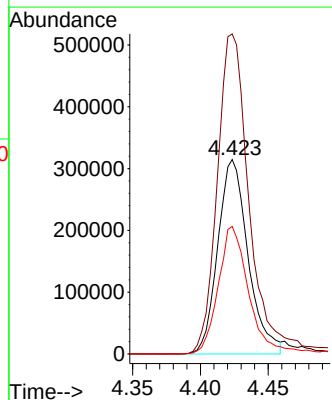
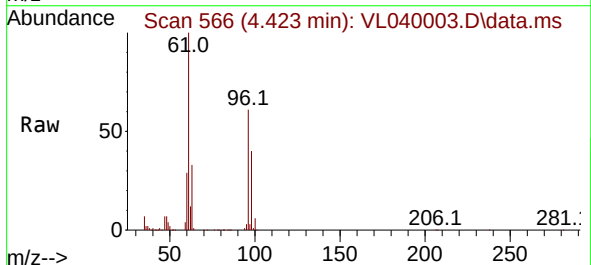
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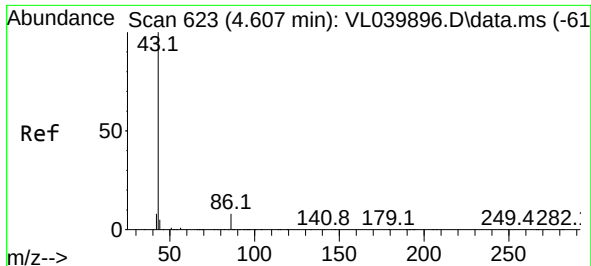
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022



#22
 trans-1,2-Dichloroethene
 Concen: 10.112 ppbv
 RT: 4.423 min Scan# 566
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 96 Resp: 488877
 Ion Ratio Lower Upper
 96 100
 61 164.6 134.1 201.1
 98 65.6 50.4 75.6





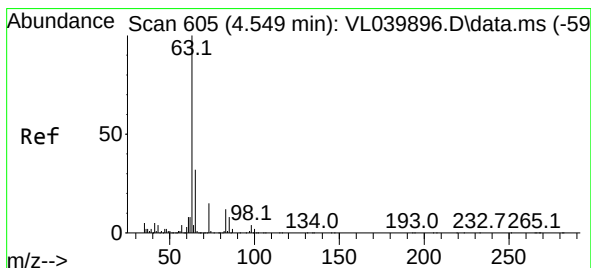
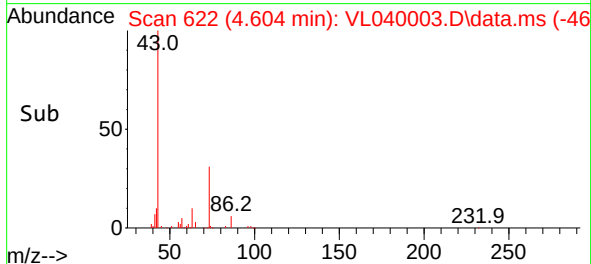
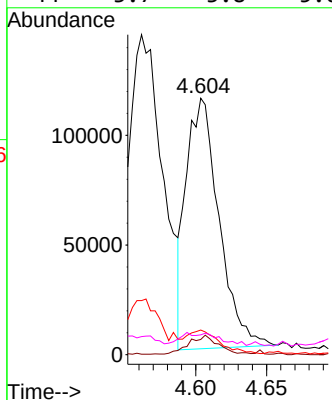
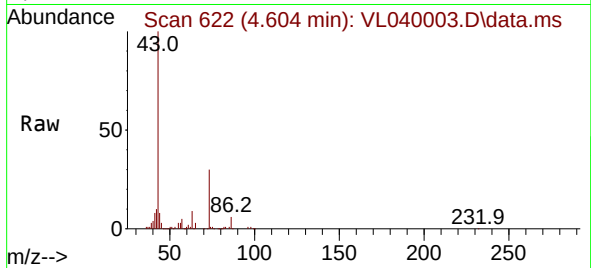
#23
 Vinyl Acetate
 Concen: 4.271 ppbv
 RT: 4.604 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 183478
 Ion Ratio Lower Upper
 43 100
 86 5.5 5.0 7.4
 42 8.6 7.6 11.4
 44 3.7 3.8 5.6#

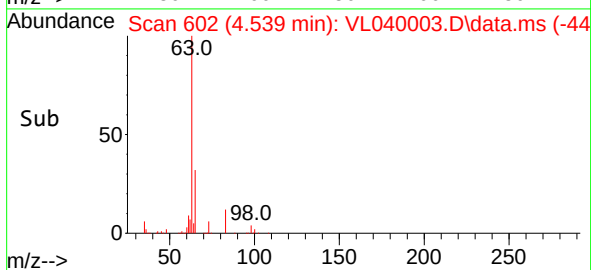
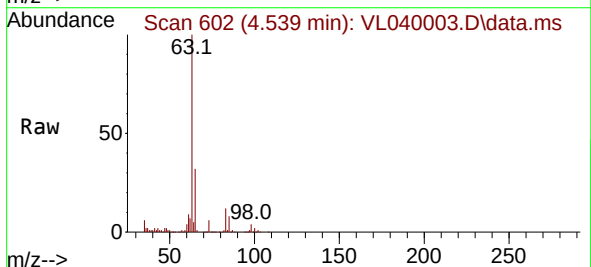
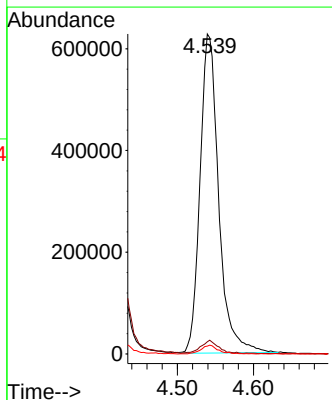
Manual Integrations
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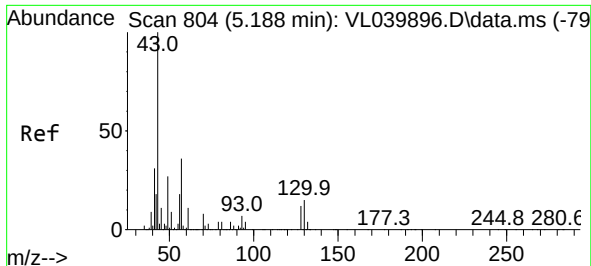
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022



#24
 1,1-Dichloroethane
 Concen: 10.312 ppbv
 RT: 4.539 min Scan# 602
 Delta R.T. 0.010 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 63 Resp: 1068057
 Ion Ratio Lower Upper
 63 100
 98 3.7 2.1 6.5
 100 2.4 1.1 3.5





#25

Ethyl Acetate

Concen: 11.833 ppbv

RT: 5.179 min Scan# 804

Delta R.T. 0.010 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2271589

Ion Ratio Lower Upper

43 100

45 10.9 8.4 12.6

61 10.9 8.5 12.7

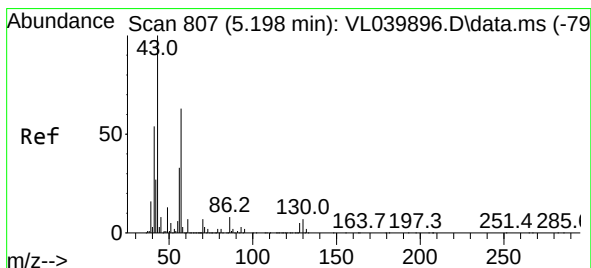
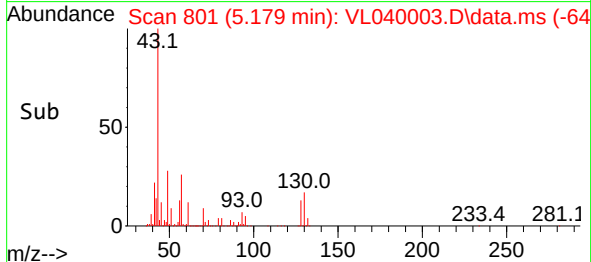
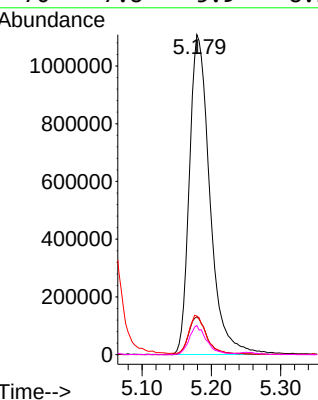
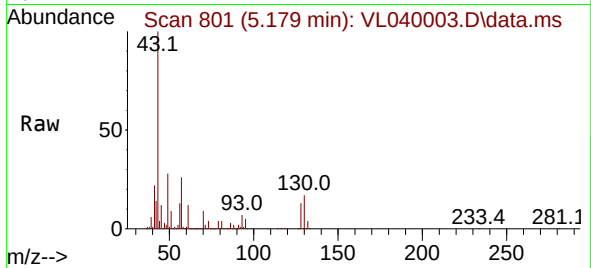
70 7.8 5.9 8.9

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#26

Hexane

Concen: 10.157 ppbv

RT: 5.189 min Scan# 804

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion: 57 Resp: 851746

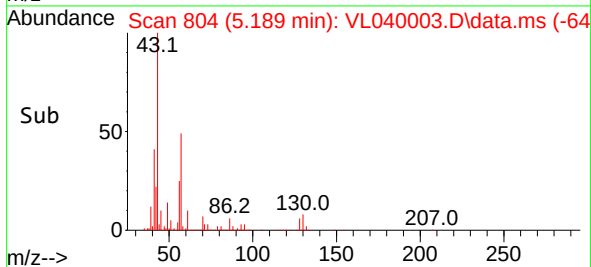
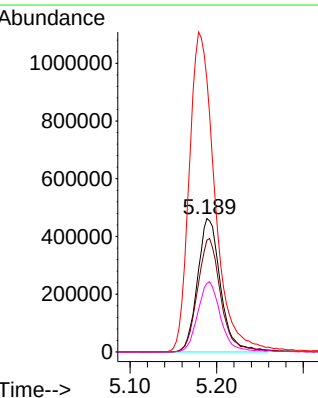
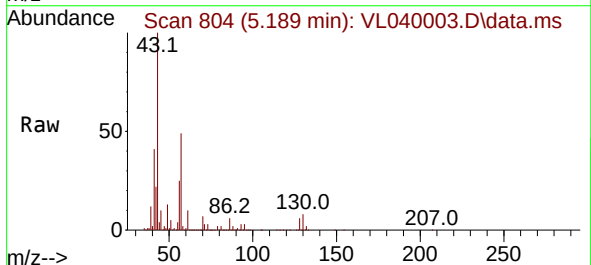
Ion Ratio Lower Upper

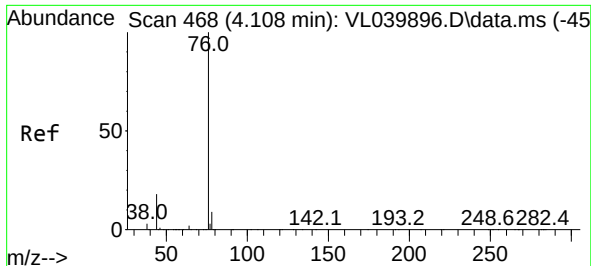
57 100

41 86.9 72.3 108.5

43 269.3 188.7 283.1

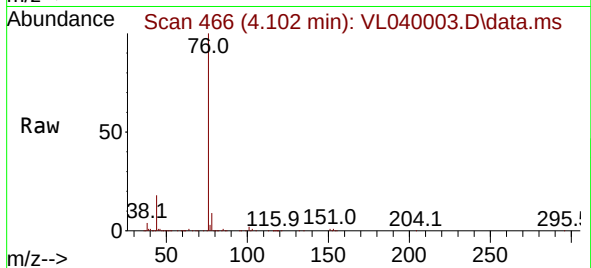
56 52.9 42.4 63.6





#27
Carbon Disulfide
Concen: 10.106 ppbv
RT: 4.102 min Scan# 409
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

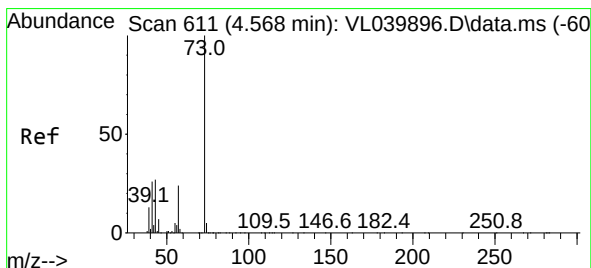
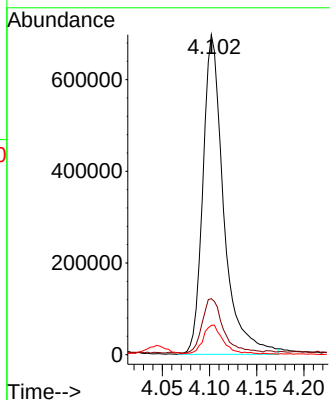
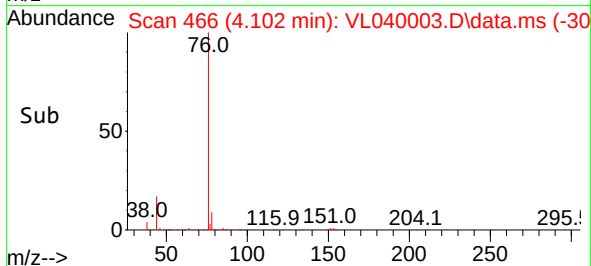
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



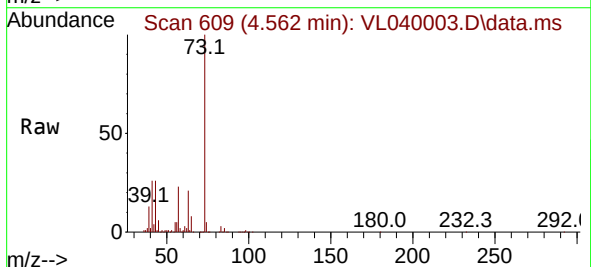
Tgt Ion: 76 Resp: 1069940
Ion Ratio Lower Upper
76 100
44 17.9 14.7 22.1
78 9.4 7.8 11.8

Manual Integrations
APPROVED

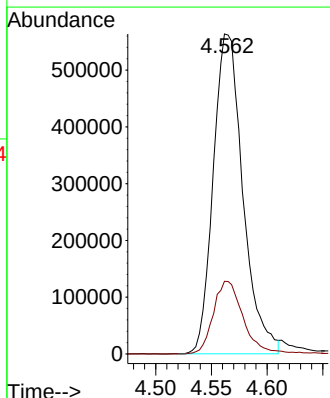
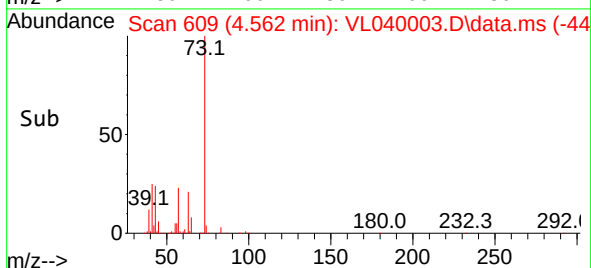
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

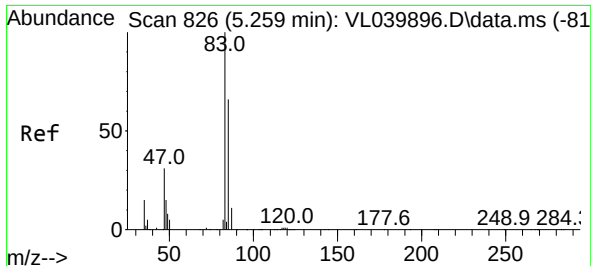


#28
Methyl tert-Butyl Ether
Concen: 9.945 ppbv
RT: 4.562 min Scan# 609
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 73 Resp: 1044168
Ion Ratio Lower Upper
73 100
57 23.4 18.9 28.3





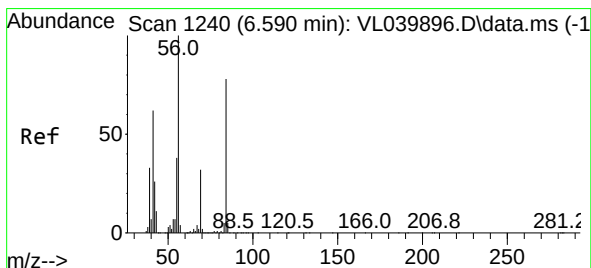
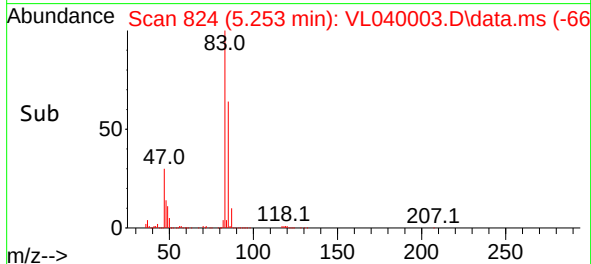
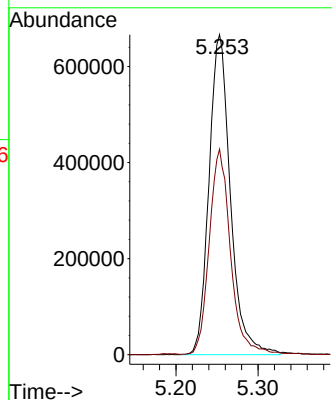
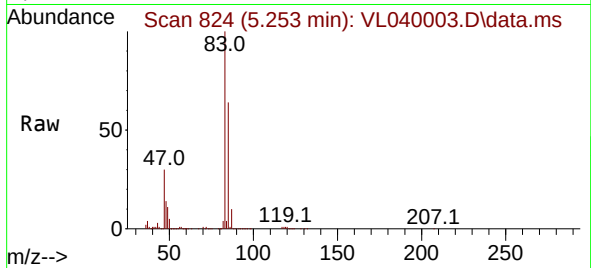
#29
Chloroform
Concen: 10.826 ppbv
RT: 5.253 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1206540
Ion Ratio Lower Upper
83 100
85 64.1 52.4 78.6

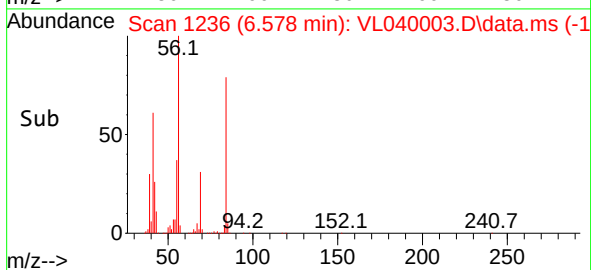
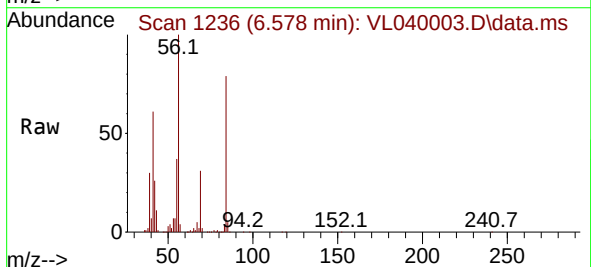
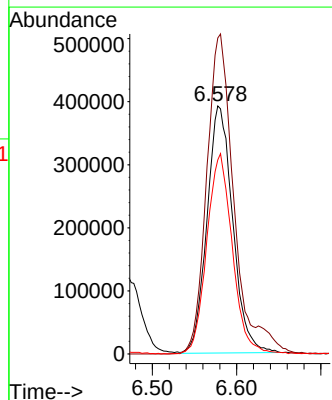
Manual Integrations
APPROVED

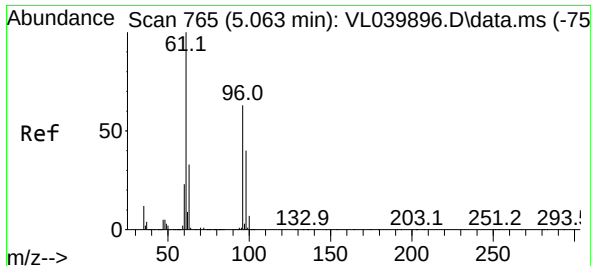
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#30
Cyclohexane
Concen: 10.115 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

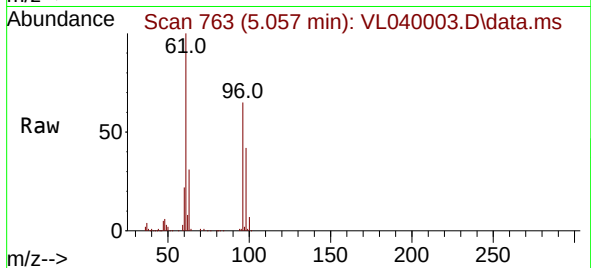
Tgt Ion: 84 Resp: 832402
Ion Ratio Lower Upper
84 100
56 137.9 112.5 168.7
41 80.4 67.8 101.8





#31
 cis-1,2-Dichloroethene
 Concen: 10.403 ppbv
 RT: 5.057 min Scan# 70
 Delta R.T. 0.016 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

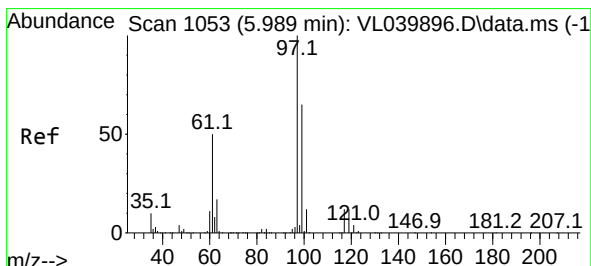
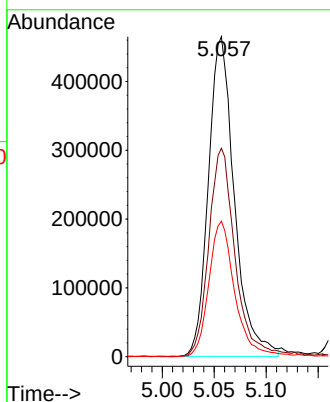
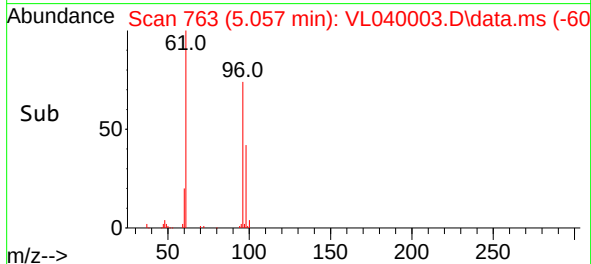
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



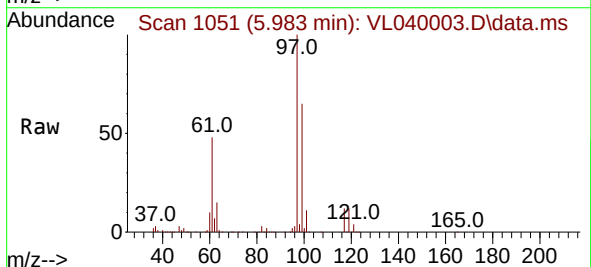
Tgt Ion: 61 Resp: 805979
 Ion Ratio Lower Upper
 61 100
 96 65.2 50.3 75.5
 98 42.4 32.2 48.2

Manual Integrations
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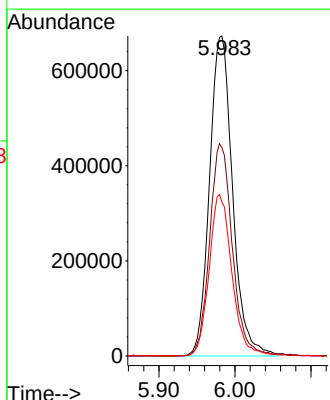
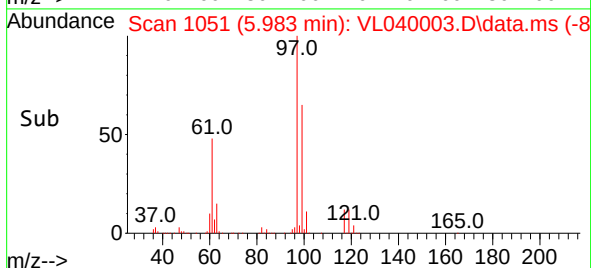
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

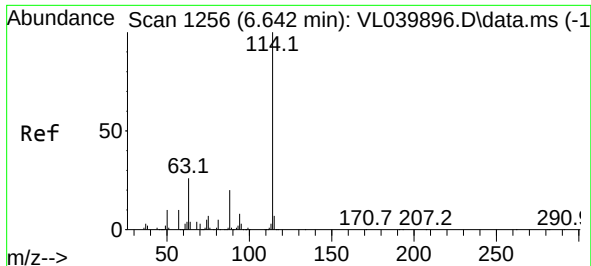


#32
 1,1,1-Trichloroethane
 Concen: 10.190 ppbv
 RT: 5.983 min Scan# 1051
 Delta R.T. 0.016 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50



Tgt Ion: 97 Resp: 1418241
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.4 77.0
 61 50.1 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 245359

Ion Ratio Lower Upper

114 100

63 24.5 21.4 32.0

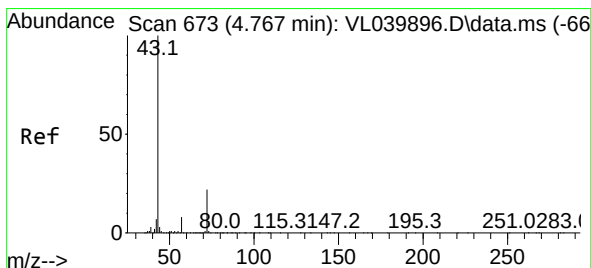
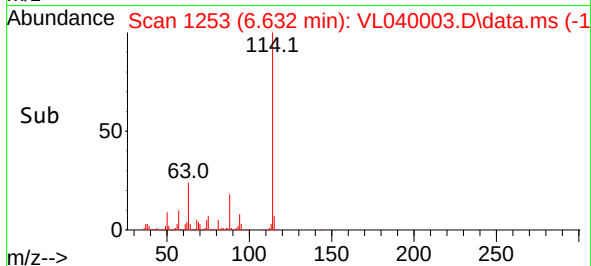
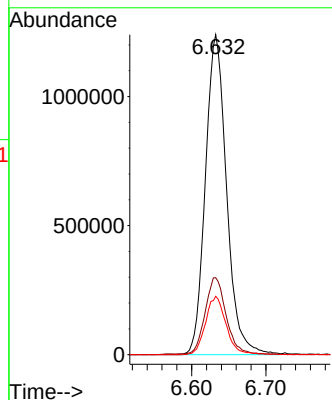
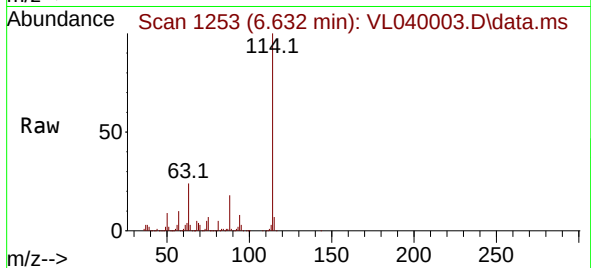
88 17.8 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#34

2-Butanone

Concen: 10.149 ppbv

RT: 4.764 min Scan# 672

Delta R.T. 0.013 min

Lab File: VL040003.D

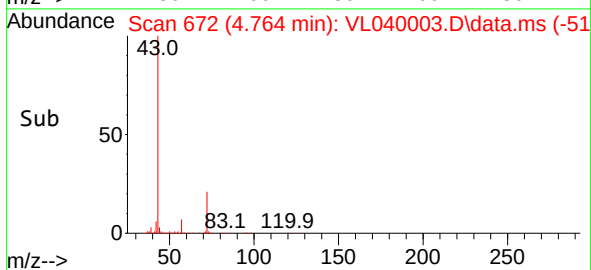
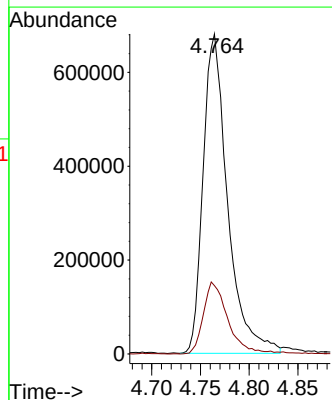
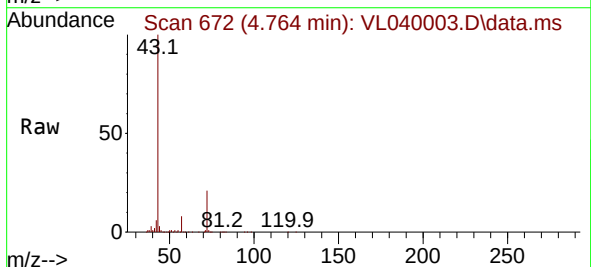
Acq: 13 Dec 2022 8:50

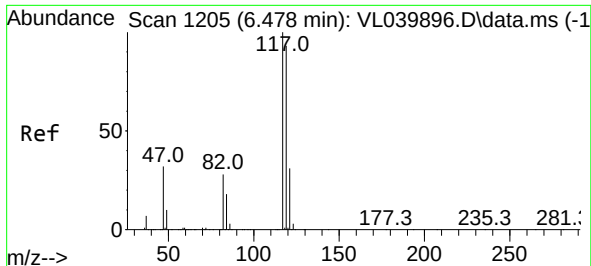
Tgt Ion: 43 Resp: 1191510

Ion Ratio Lower Upper

43 100

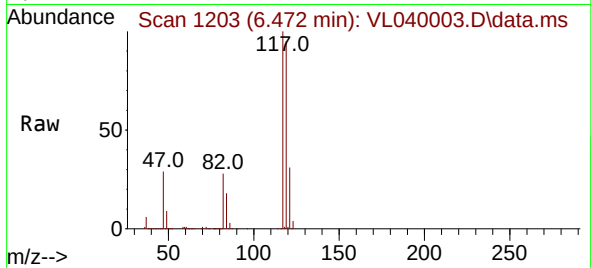
72 23.0 17.4 26.2





#35
Carbon Tetrachloride
Concen: 10.233 ppbv
RT: 6.472 min Scan# 1164
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

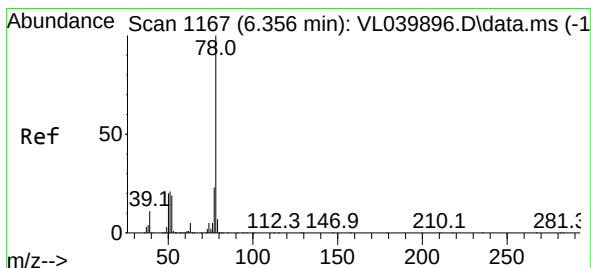
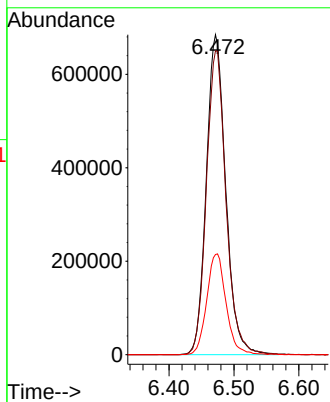
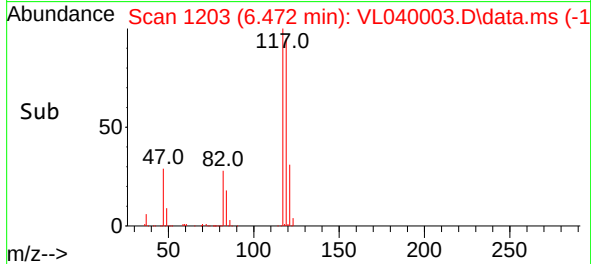
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



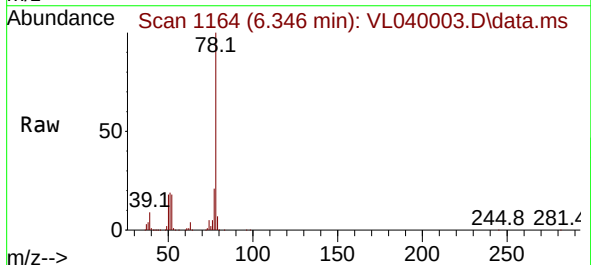
Tgt Ion: 117 Resp: 142584
Ion Ratio Lower Upper
117 100
119 95.0 74.7 112.1
121 31.3 24.5 36.7

Manual Integrations
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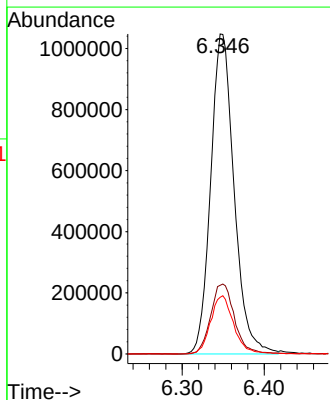
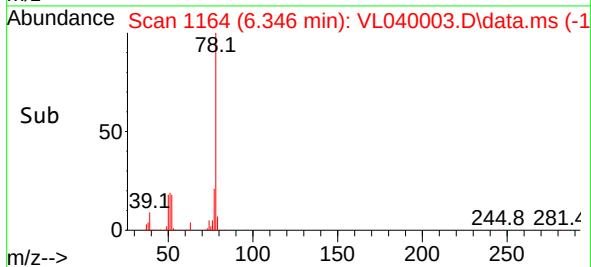
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

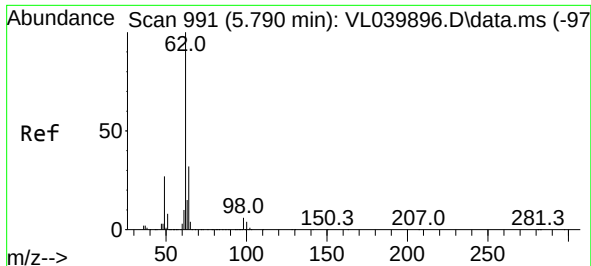


#36
Benzene
Concen: 9.944 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 78 Resp: 2073831
Ion Ratio Lower Upper
78 100
77 21.4 18.2 27.2
50 17.7 15.8 23.8





#37

1,2-Dichloroethane

Concen: 9.607 ppbv

RT: 5.784 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 109801

Ion Ratio Lower Upper

62 100

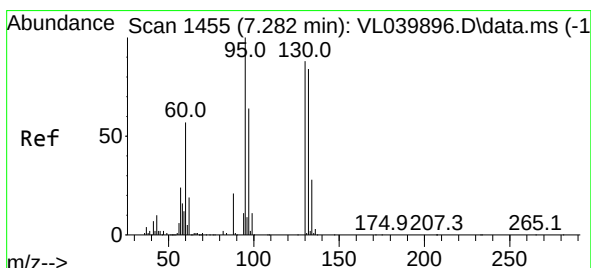
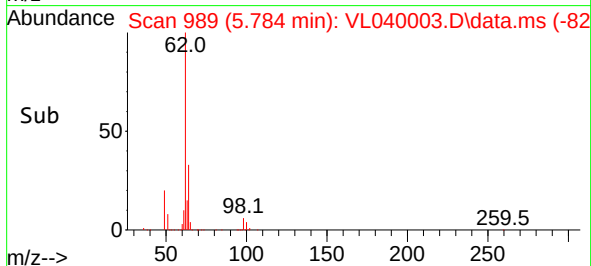
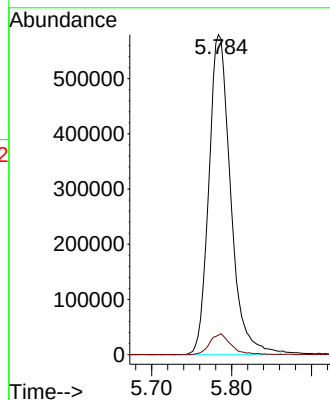
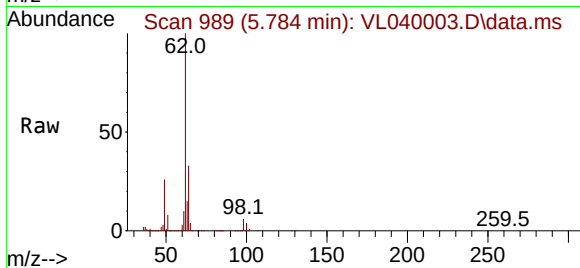
98 6.6 5.0 7.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#38

Trichloroethene

Concen: 8.160 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion:130 Resp: 951279

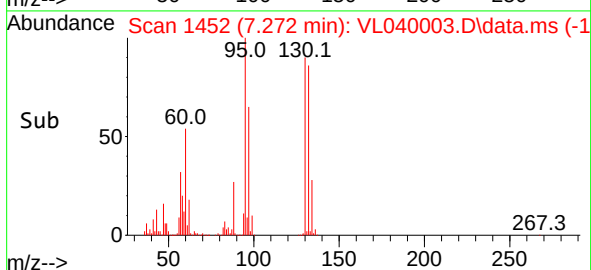
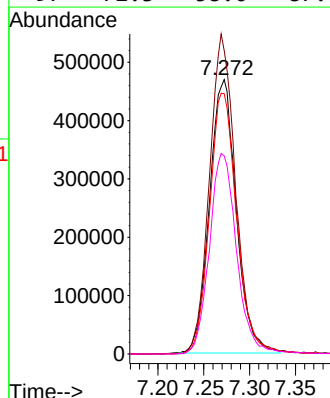
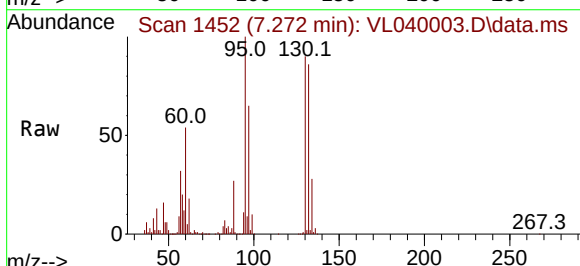
Ion Ratio Lower Upper

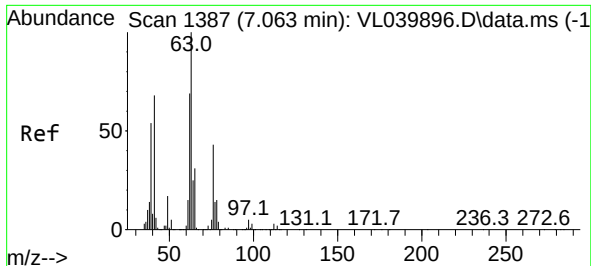
130 100

95 110.8 90.6 135.8

132 95.1 76.2 114.4

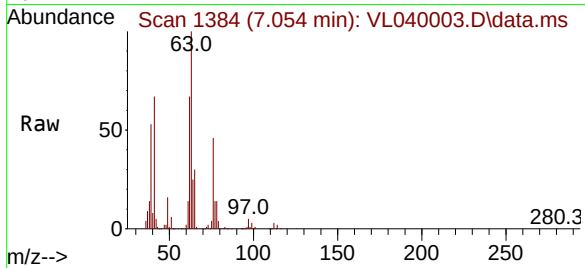
97 72.3 58.0 87.0





#39
 1,2-Dichloropropane
 Concen: 9.721 ppbv
 RT: 7.054 min Scan# 11
 Delta R.T. 0.020 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

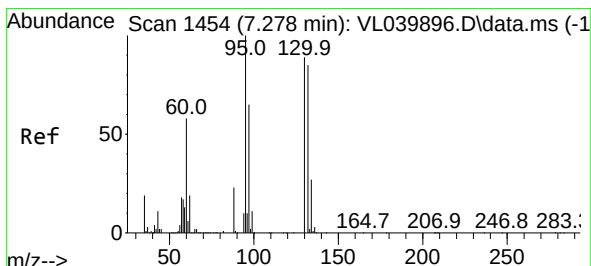
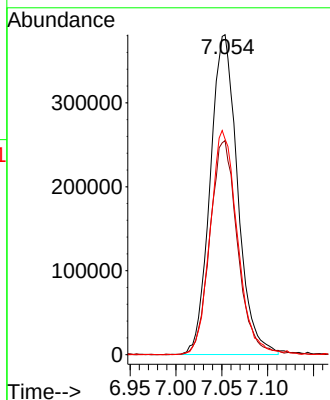
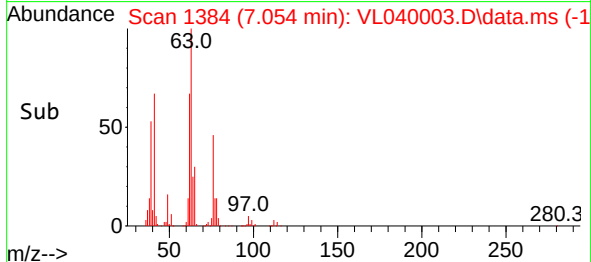
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



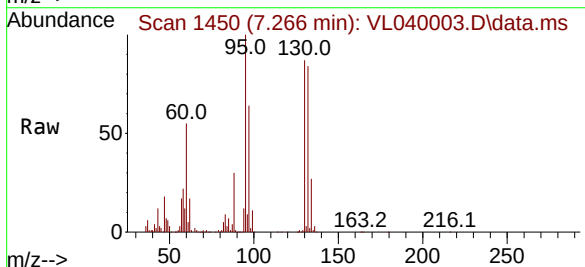
Tgt Ion: 63 Resp: 789902
 Ion Ratio Lower Upper
 63 100
 41 66.8 54.7 82.1
 62 67.3 55.0 82.6

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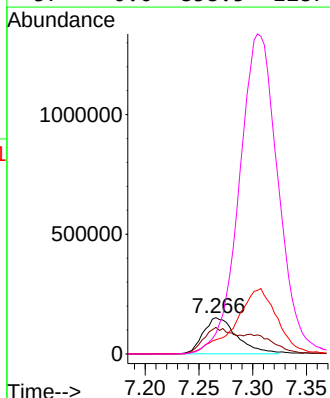
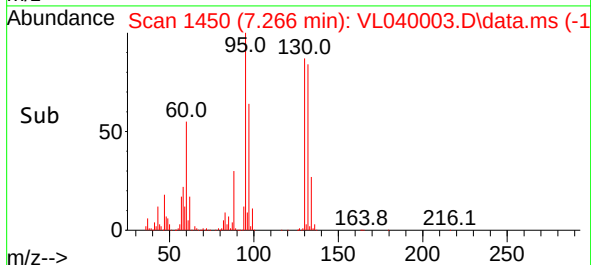
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

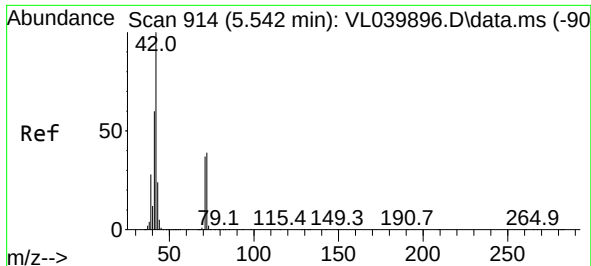


#40
 1,4-Dioxane
 Concen: 10.154 ppbv
 RT: 7.266 min Scan# 1450
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50



Tgt Ion: 88 Resp: 328692
 Ion Ratio Lower Upper
 88 100
 58 118.3 100.5 150.7
 43 0.0 195.8 293.8#
 57 0.0 858.5 1287.7#





#41

Tetrahydrofuran

Concen: 9.850 ppbv

RT: 5.533 min Scan# 914

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 42 Resp: 798360

Ion Ratio Lower Upper

42 100

72 42.6 31.6 47.4

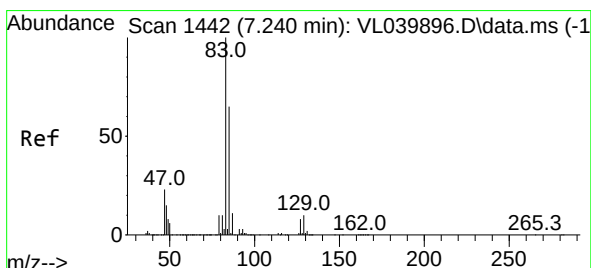
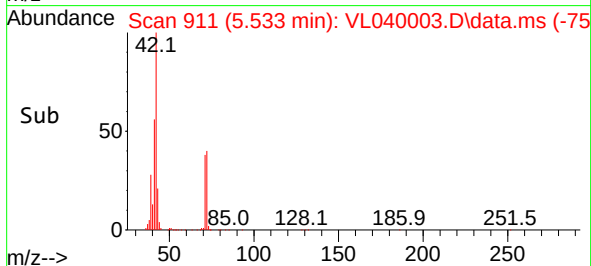
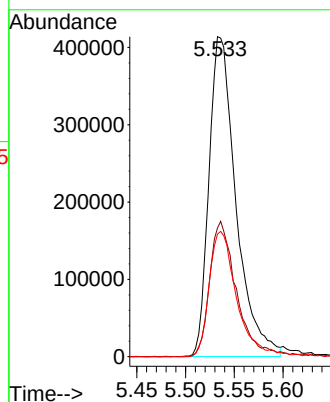
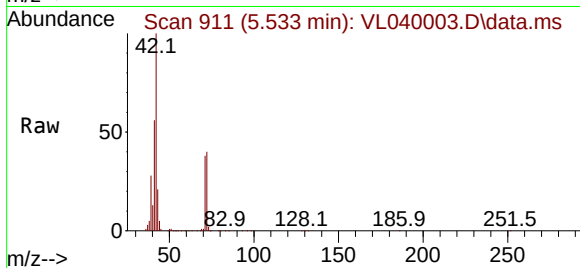
71 40.6 31.2 46.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#42

Bromodichloromethane

Concen: 10.252 ppbv

RT: 7.227 min Scan# 1438

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

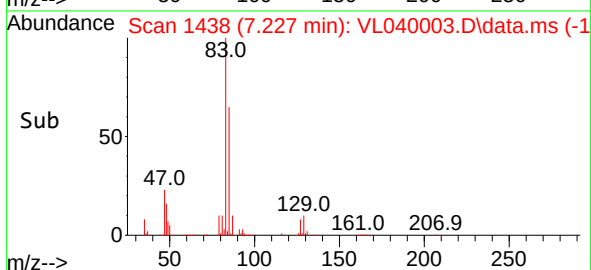
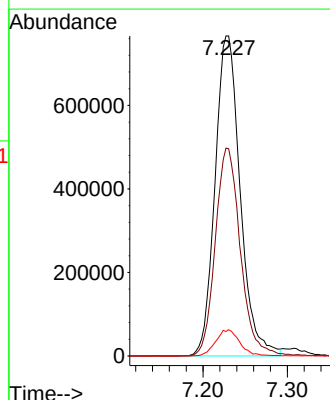
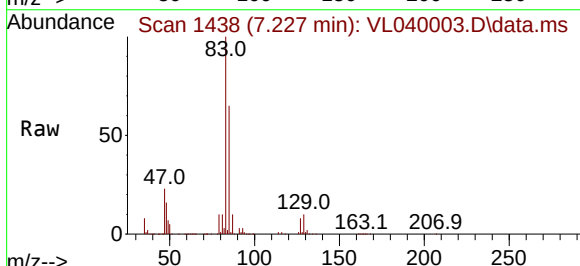
Tgt Ion: 83 Resp: 1589018

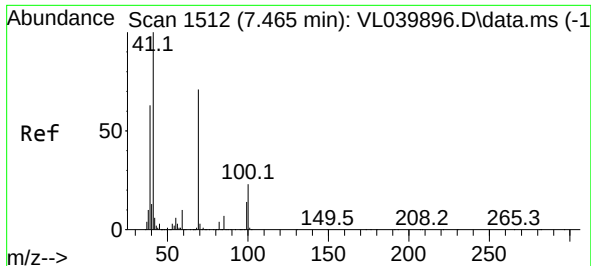
Ion Ratio Lower Upper

83 100

85 64.9 52.0 78.0

127 7.6 6.5 9.7





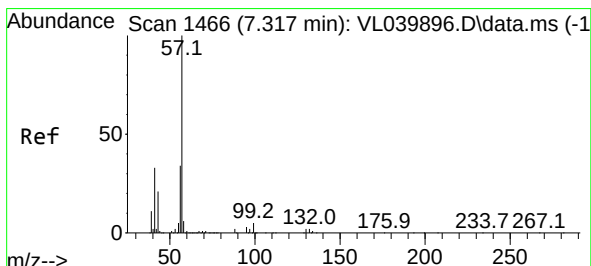
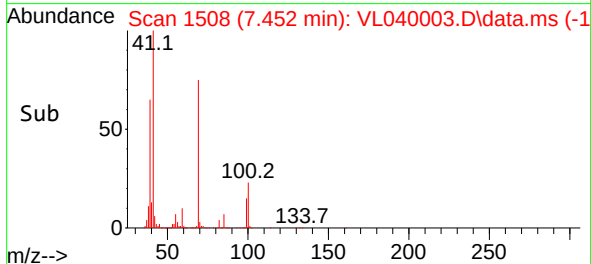
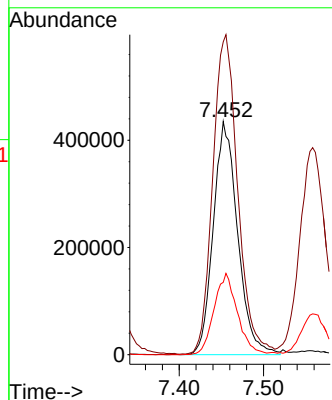
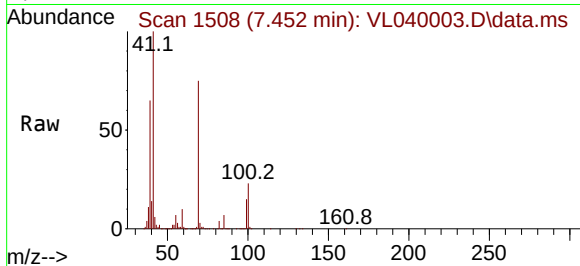
#43
Methyl Methacrylate
Concen: 10.679 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 873180
Ion Ratio Lower Upper
69 100
41 140.5 116.4 174.6
100 33.8 26.8 40.2

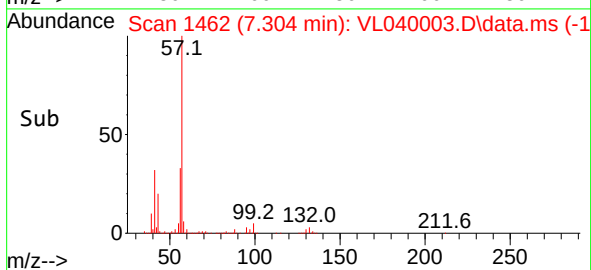
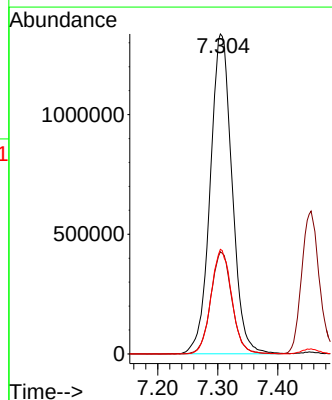
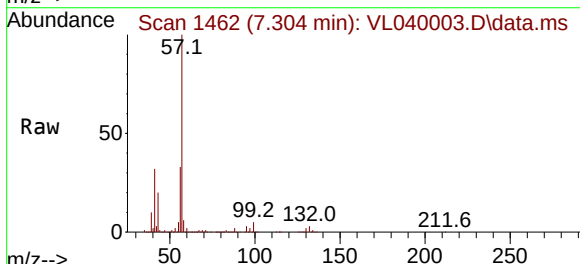
Manual Integrations
APPROVED

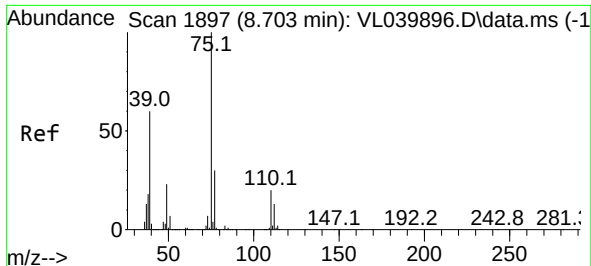
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#44
2,2,4-Trimethylpentane
Concen: 9.690 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

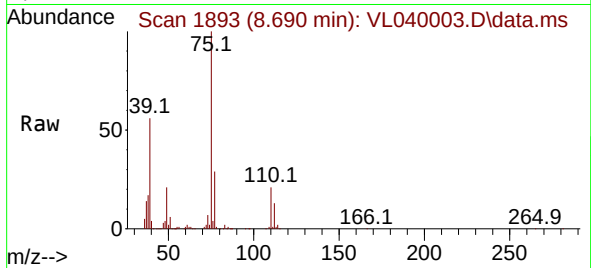
Tgt Ion: 57 Resp: 3373783
Ion Ratio Lower Upper
57 100
41 30.9 26.2 39.2
56 31.2 25.5 38.3





#45
 t-1,3-Dichloropropene
 Concen: 9.681 ppbv
 RT: 8.690 min Scan# 1716
 Delta R.T. 0.016 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

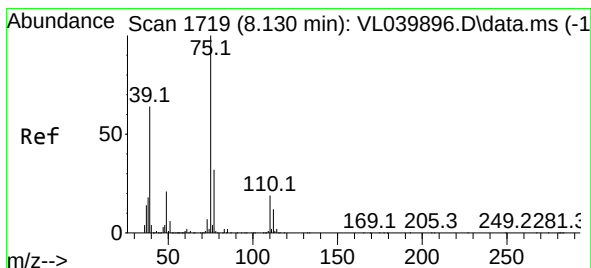
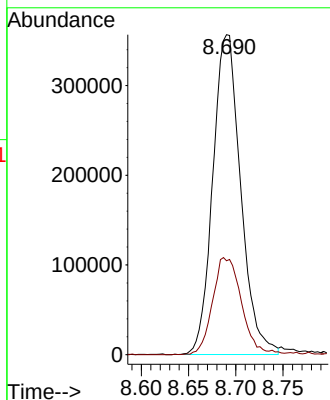
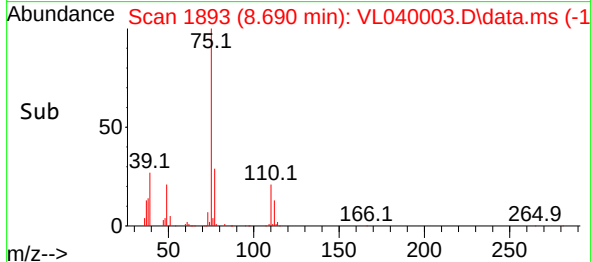
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 75 Resp: 73132
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.2 36.4

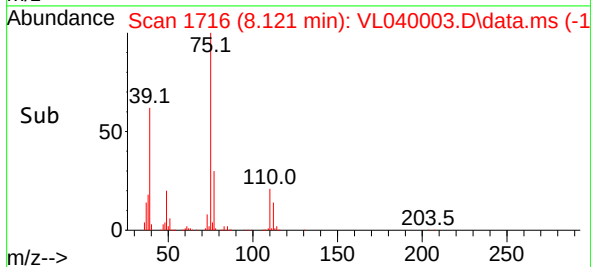
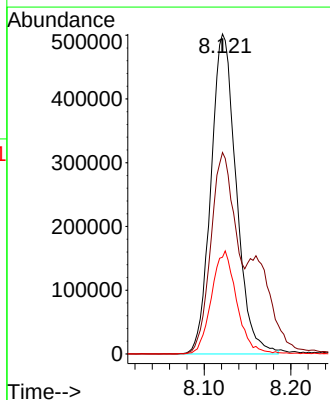
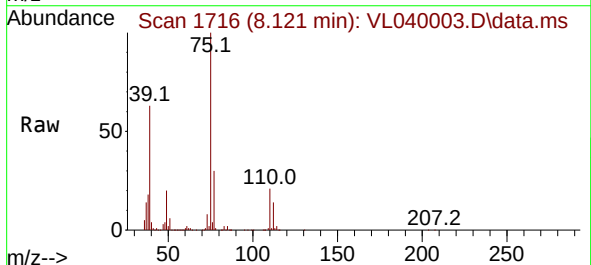
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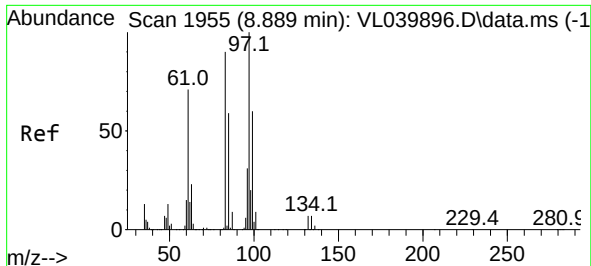
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022



#46
 cis-1,3-Dichloropropene
 Concen: 9.720 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. 0.013 min
 Lab File: VL040003.D
 Acq: 13 Dec 2022 8:50

Tgt Ion: 75 Resp: 1017197
 Ion Ratio Lower Upper
 75 100
 39 62.9 51.0 76.4
 77 30.2 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.133 ppbv

RT: 8.880 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VL040003.D

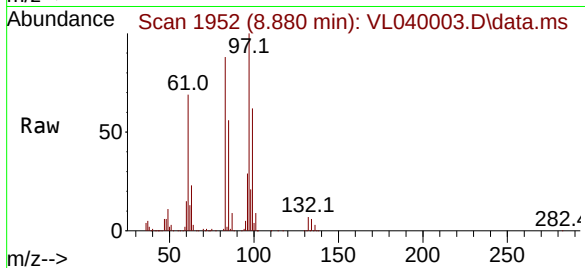
Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 97 Resp: 846210

Ion Ratio Lower Upper

97 100

83 88.0 72.1 108.1

85 56.0 47.2 70.8

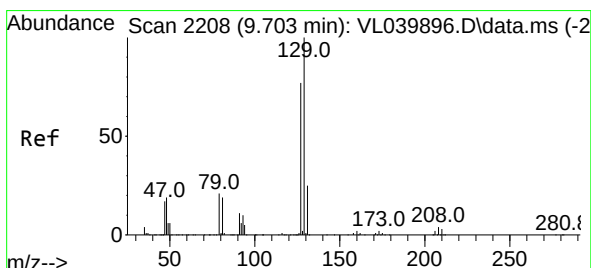
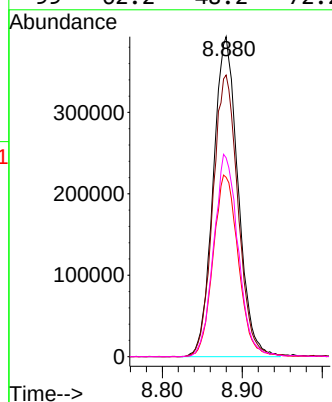
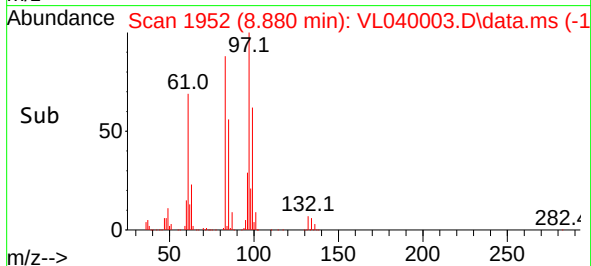
99 62.2 48.2 72.2

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#48

Dibromochloromethane

Concen: 10.958 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. 0.013 min

Lab File: VL040003.D

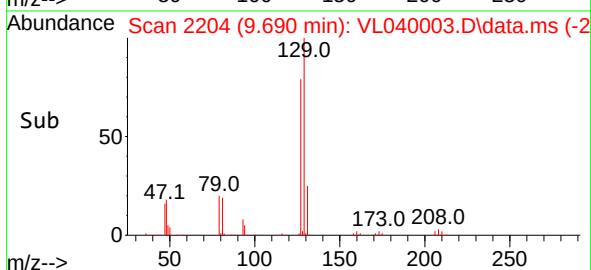
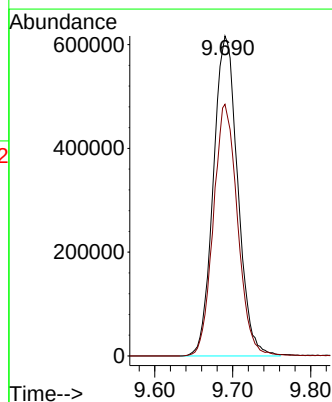
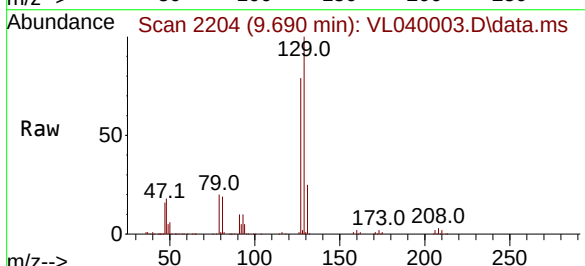
Acq: 13 Dec 2022 8:50

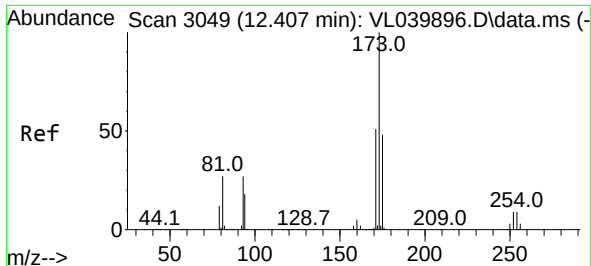
Tgt Ion:129 Resp: 1340304

Ion Ratio Lower Upper

129 100

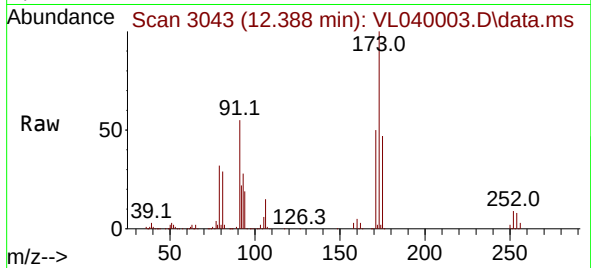
127 78.4 39.1 117.3





#49
Bromoform
Concen: 11.299 ppbv
RT: 12.388 min Scan# 3049
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

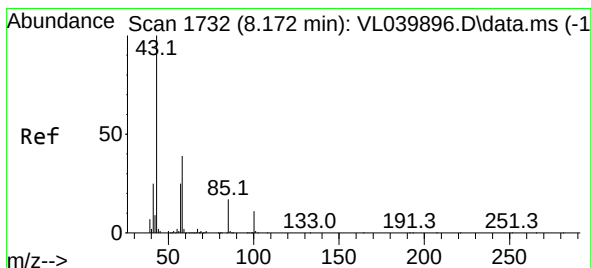
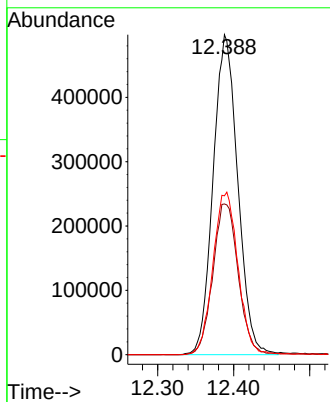
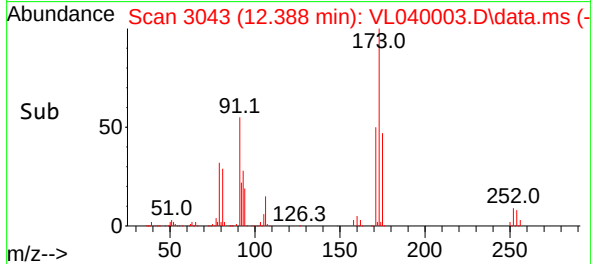
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



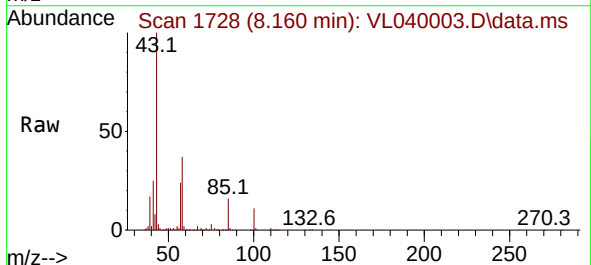
Tgt Ion: 173 Resp: 111866
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
171 52.1 41.8 62.8

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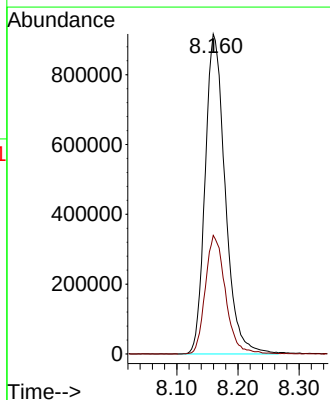
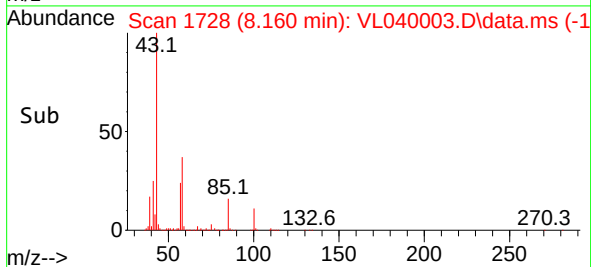
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

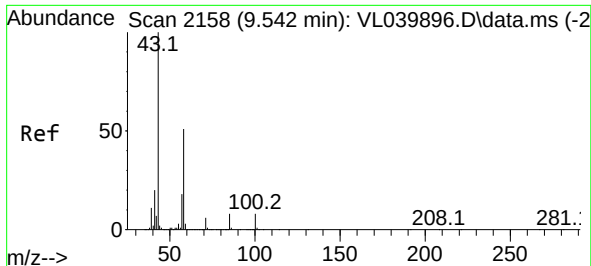


#50
4-Methyl-2-Pentanone
Concen: 9.931 ppbv
RT: 8.160 min Scan# 1728
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



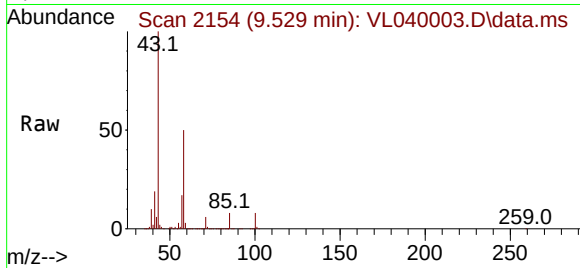
Tgt Ion: 43 Resp: 2088119
Ion Ratio Lower Upper
43 100
58 37.3 29.8 44.6





#51
2-Hexanone
Concen: 10.013 ppbv
RT: 9.529 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

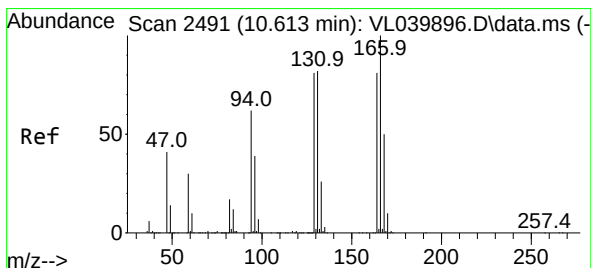
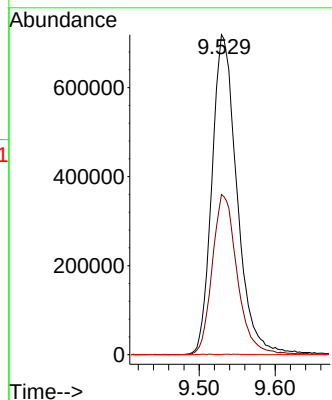
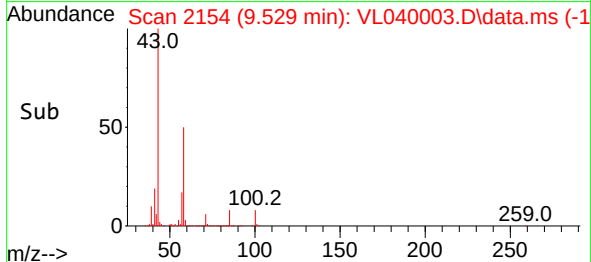
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 163447
Ion Ratio Lower Upper
43 100
58 50.6 40.2 60.4
98 0.1 0.1 0.1

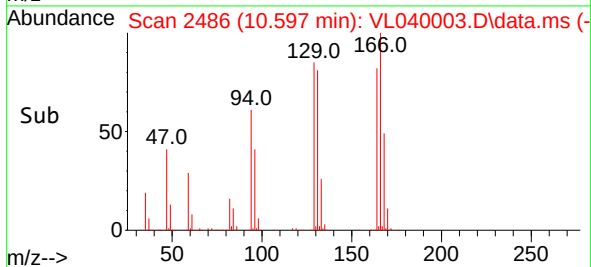
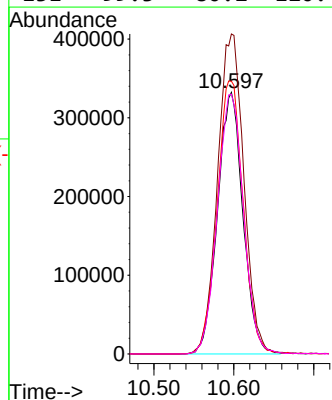
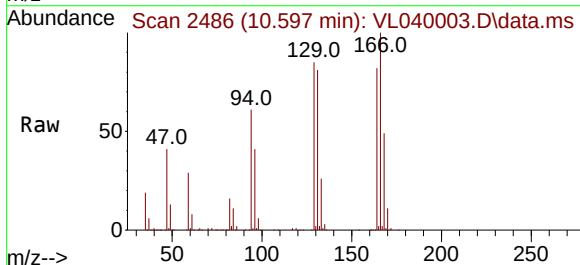
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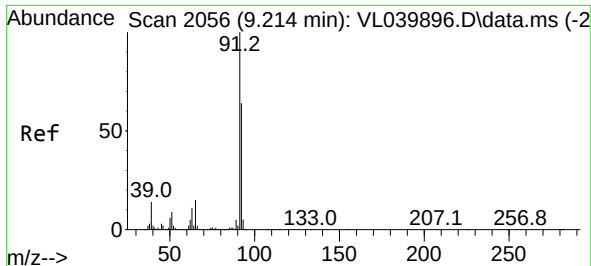
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#52
Tetrachloroethene
Concen: 9.367 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:164 Resp: 730773
Ion Ratio Lower Upper
164 100
166 122.3 98.3 147.5
129 104.3 79.7 119.5
131 99.3 80.2 120.4





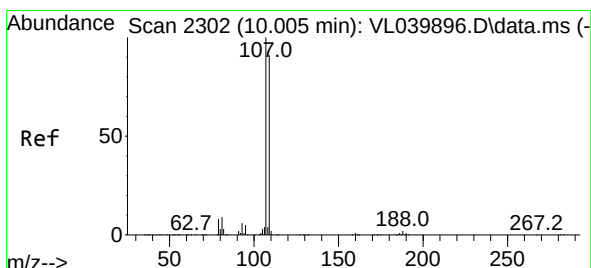
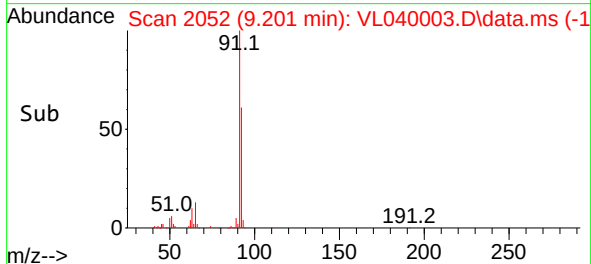
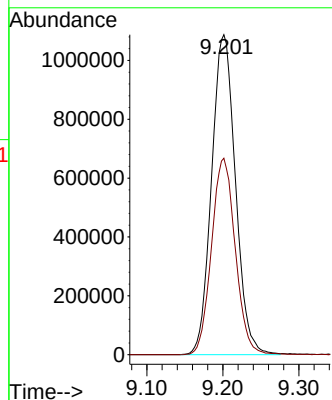
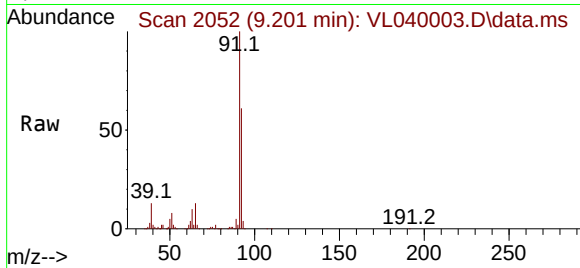
#53
Toluene
Concen: 9.984 ppbv
RT: 9.201 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 237208
Ion Ratio Lower Upper
91 100
92 61.3 49.8 74.6

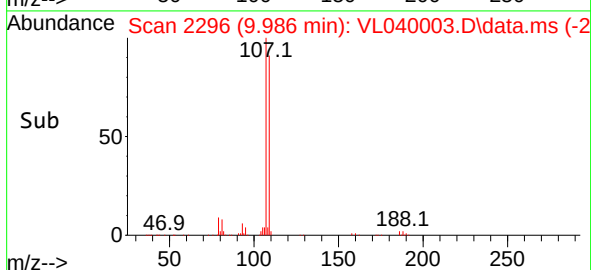
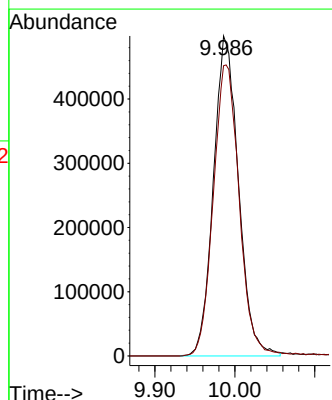
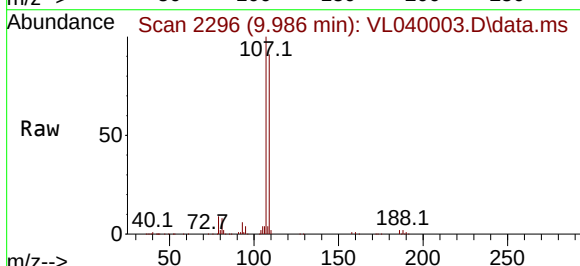
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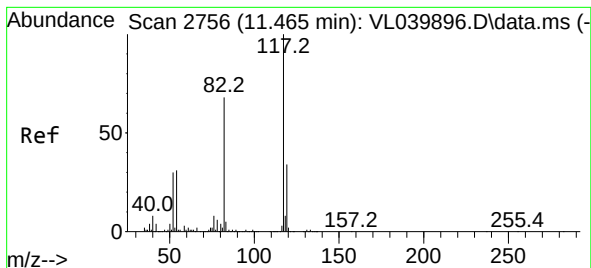
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#54
1,2-Dibromoethane
Concen: 12.151 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:107 Resp: 1082896
Ion Ratio Lower Upper
107 100
109 90.7 72.8 109.2





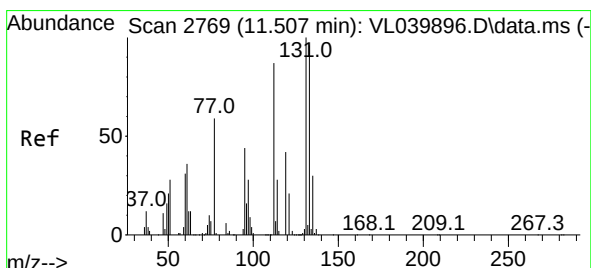
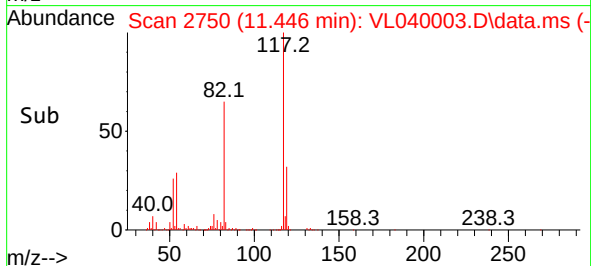
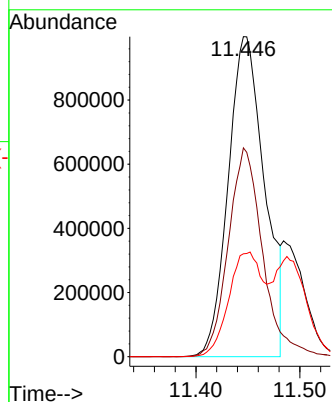
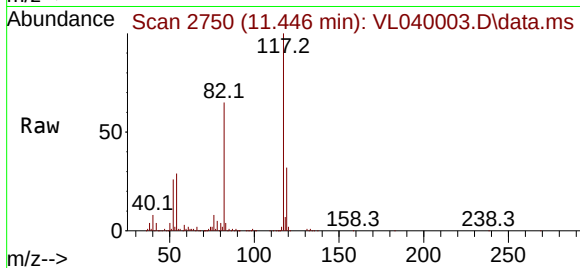
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 2425084
Ion Ratio Lower Upper
117 100
82 61.6 52.3 78.5
119 28.5 25.7 38.5

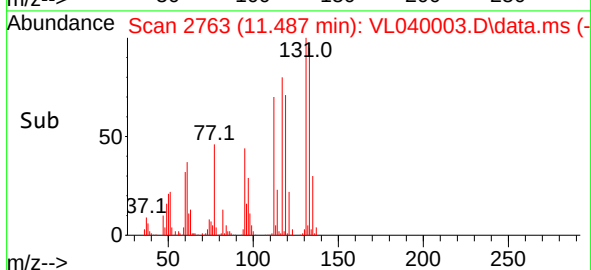
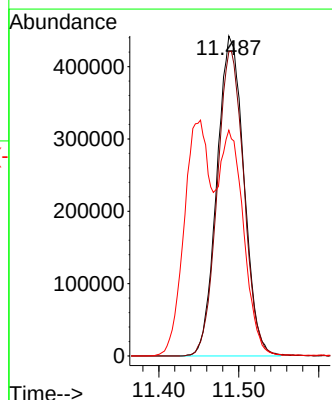
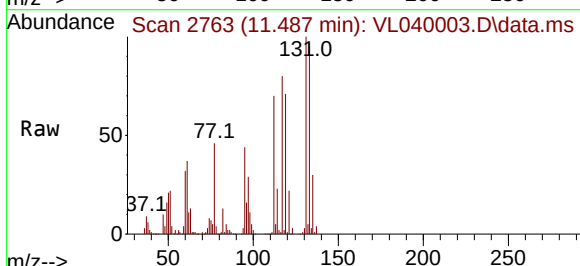
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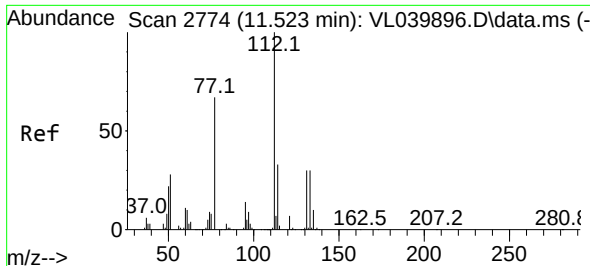
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#56
1,1,1,2-Tetrachloroethane
Concen: 10.454 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

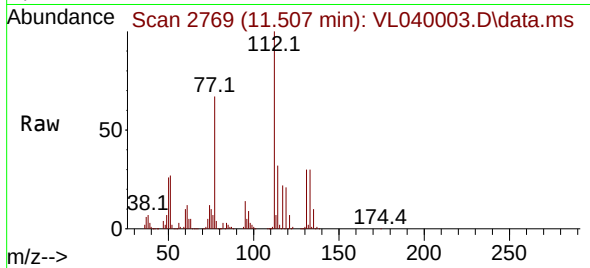
Tgt Ion:131 Resp: 1036260
Ion Ratio Lower Upper
131 100
133 94.9 76.7 115.1
119 66.3 46.6 69.8





#57
Chlorobenzene
Concen: 9.631 ppbv
RT: 11.507 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

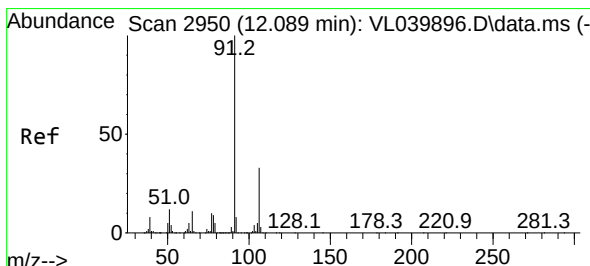
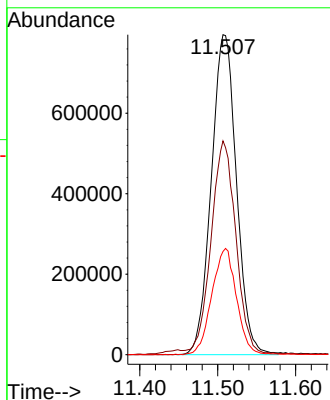
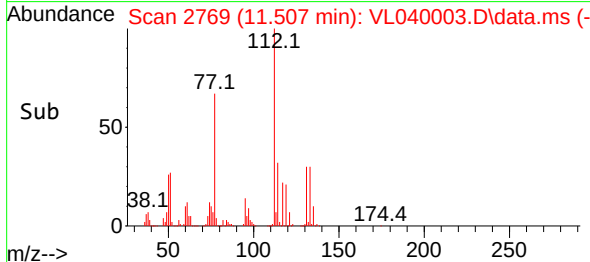
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:112 Resp: 178585
Ion Ratio Lower Upper
112 100
77 66.5 54.6 81.8
114 32.2 30.1 36.7

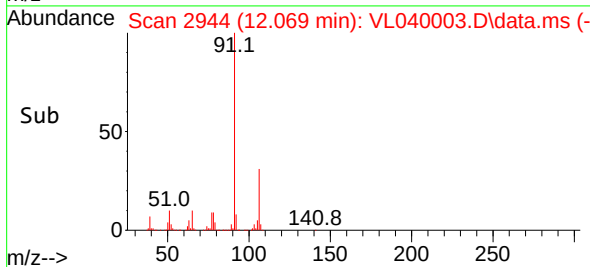
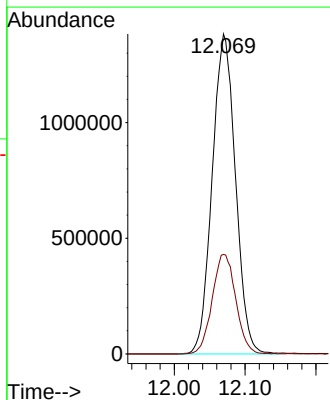
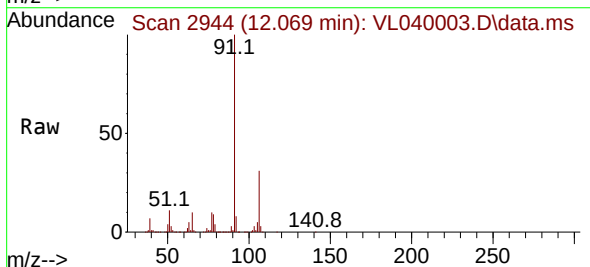
Manual Integrations
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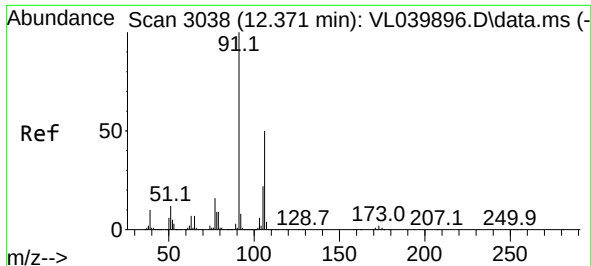
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#58
Ethyl Benzene
Concen: 9.585 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion: 91 Resp: 3153385
Ion Ratio Lower Upper
91 100
106 31.1 26.1 39.1





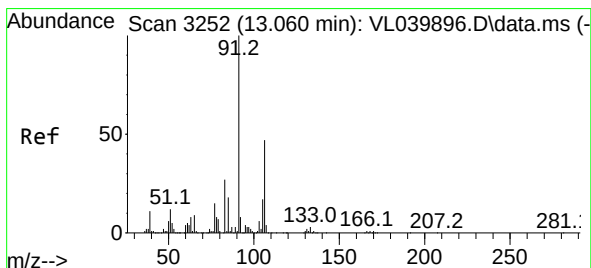
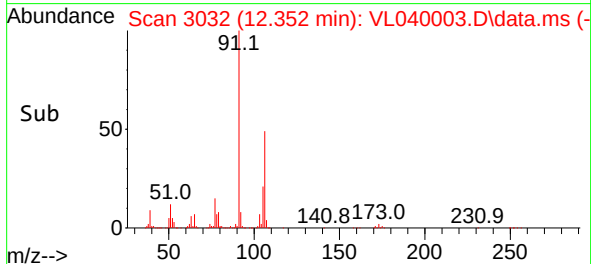
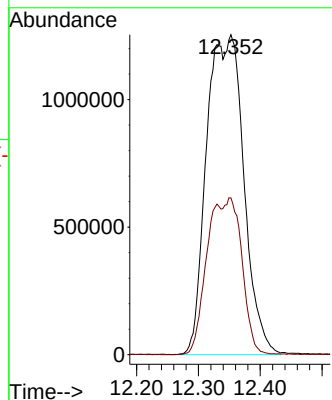
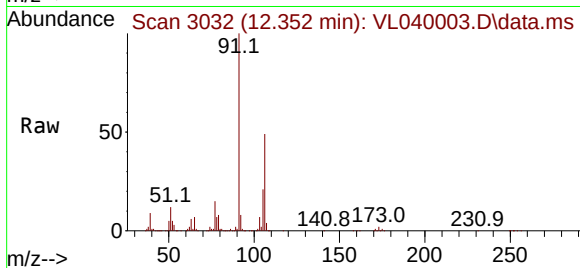
#59
m/p-Xylene
Concen: 19.042 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 524334
Ion Ratio Lower Upper
91 100
106 45.8 37.0 55.6

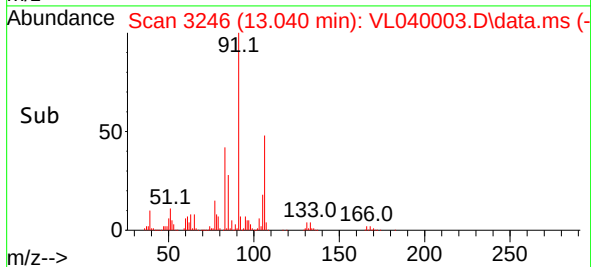
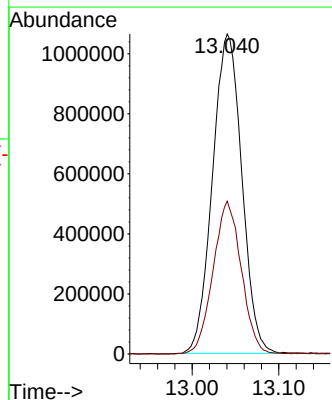
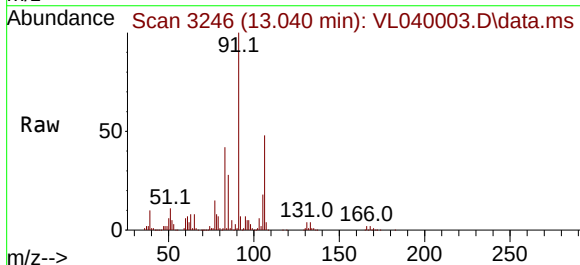
Manual Integrations
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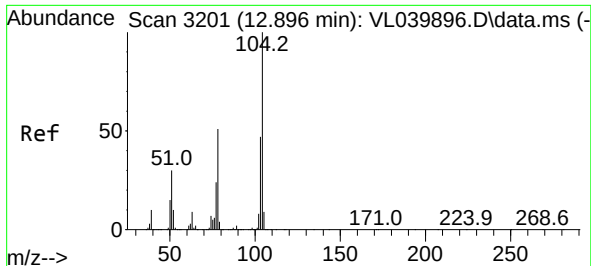
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#60
o-Xylene
Concen: 9.507 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

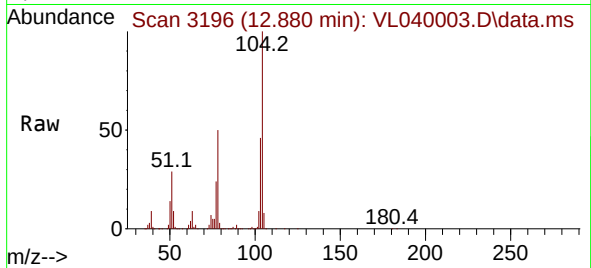
Tgt Ion: 91 Resp: 2496646
Ion Ratio Lower Upper
91 100
106 46.3 23.2 69.6





#61
Styrene
Concen: 9.818 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

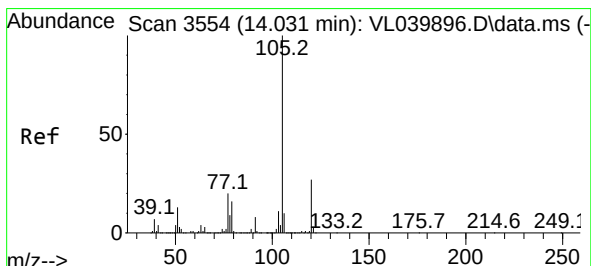
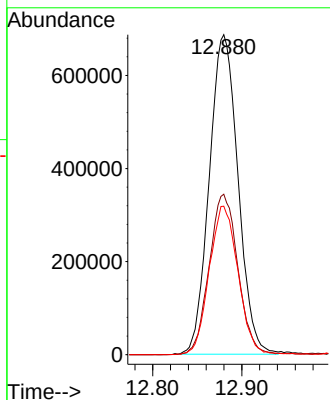
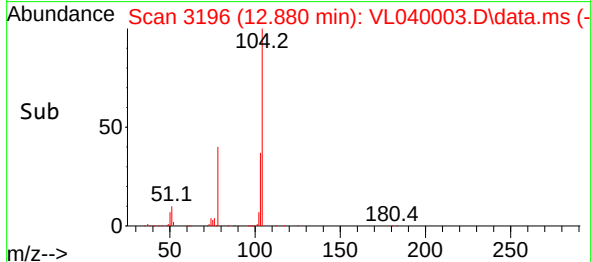
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



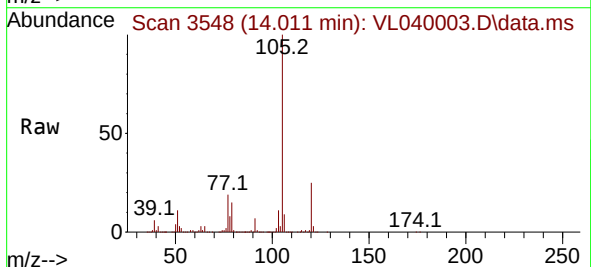
Tgt Ion:104 Resp: 1538999
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 46.8 37.2 55.8

Manual Integrations
APPROVED

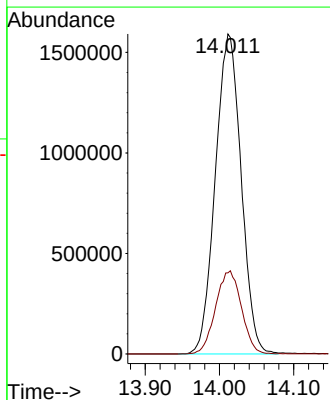
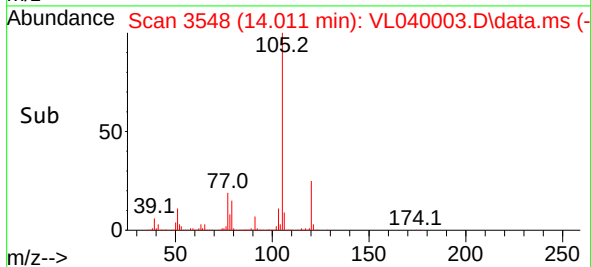
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

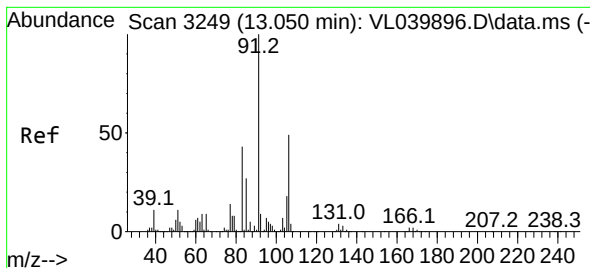


#62
Isopropylbenzene
Concen: 10.151 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



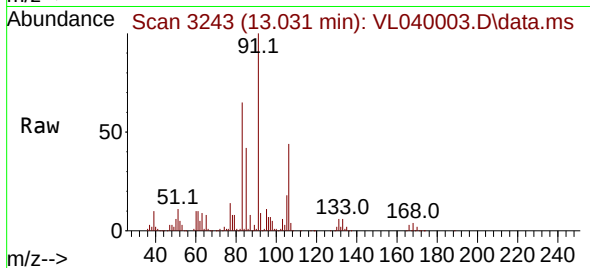
Tgt Ion:105 Resp: 3843837
Ion Ratio Lower Upper
105 100
120 26.0 21.4 32.2





#63
1,1,2,2-Tetrachloroethane
Concen: 15.632 ppbv
RT: 13.031 min Scan# 31
Delta R.T. 0.020 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

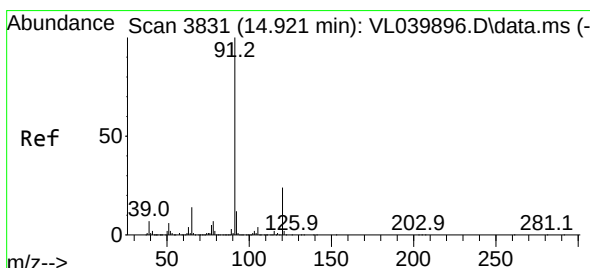
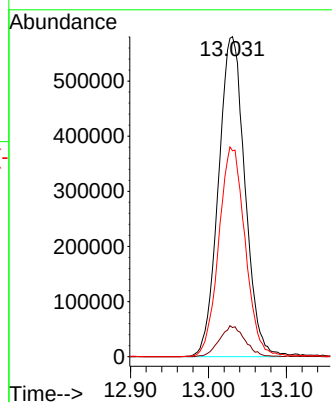
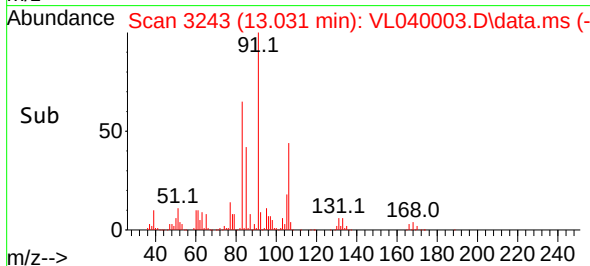
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



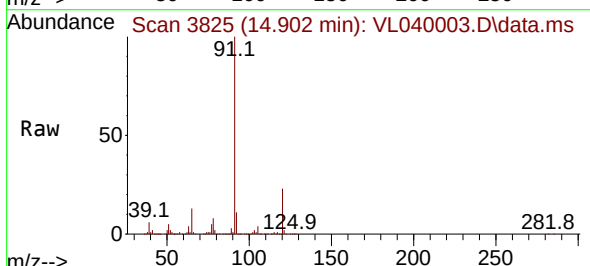
Tgt Ion: 83 Resp: 1370700
Ion Ratio Lower Upper
83 100
131 9.3 4.6 13.8
85 65.9 33.0 99.0

Manual Integrations
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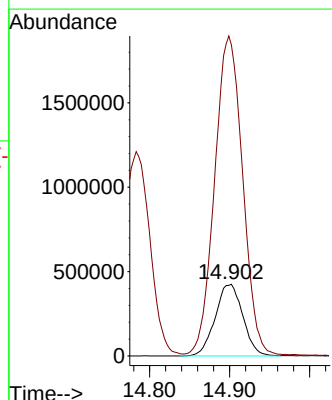
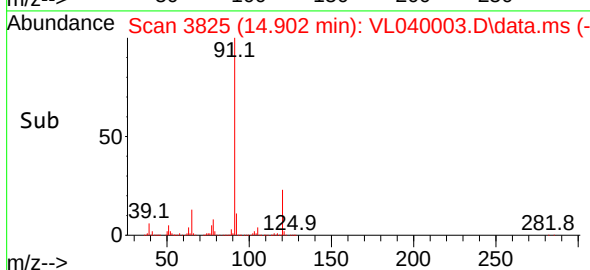
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

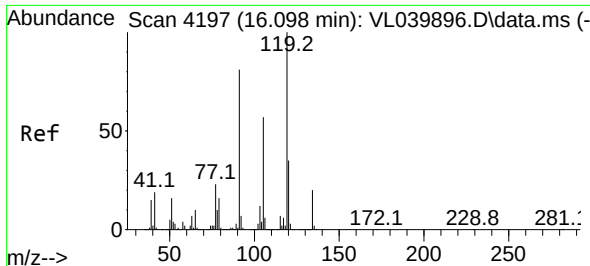


#64
n-propylbenzene
Concen: 10.268 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. 0.023 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



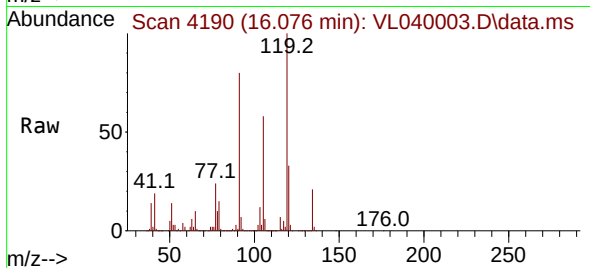
Tgt Ion:120 Resp: 1017142
Ion Ratio Lower Upper
120 100
91 456.1 353.7 530.5





#65
tert-Butylbenzene
Concen: 10.089 ppbv
RT: 16.076 min Scan# 4197
Delta R.T. 0.020 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

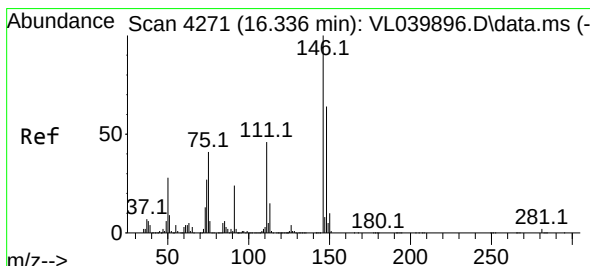
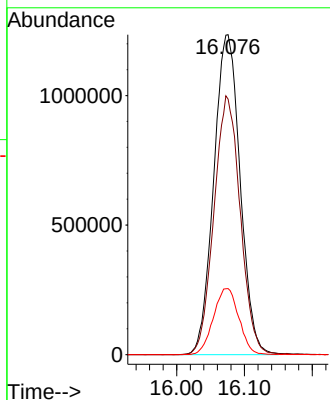
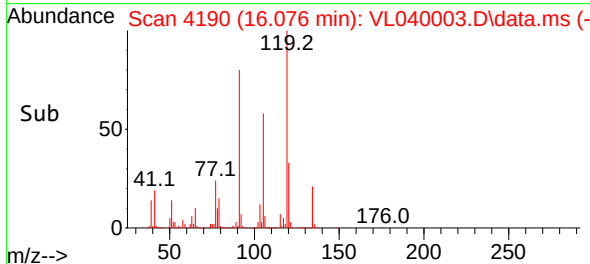
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



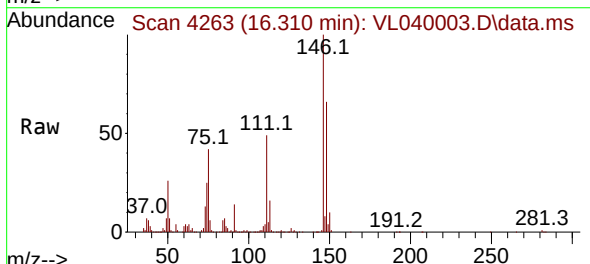
Tgt Ion: 119 Resp: 334236
Ion Ratio Lower Upper
119 100
91 80.5 65.8 98.8
134 20.0 16.1 24.1

Manual Integrations
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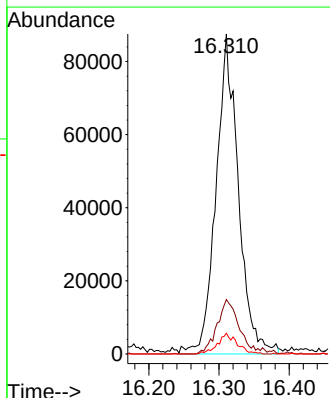
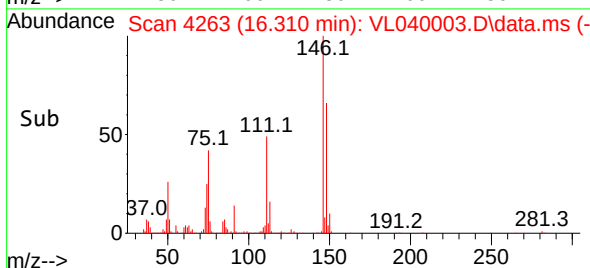
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

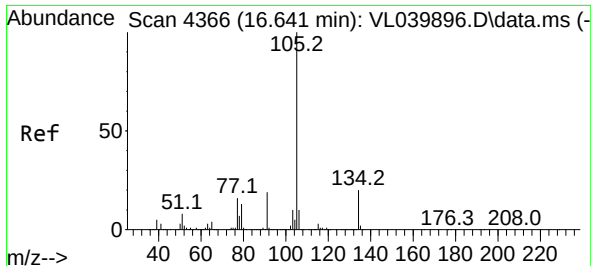


#66
Benzyl Chloride
Concen: 6.809 ppbv m
RT: 16.310 min Scan# 4263
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 91 Resp: 193302
Ion Ratio Lower Upper
91 100
126 17.5 15.0 22.6
128 5.6 4.6 7.0





#67

sec-Butylbenzene

Concen: 10.335 ppbv

RT: 16.619 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 470725

Ion Ratio Lower Upper

105 100

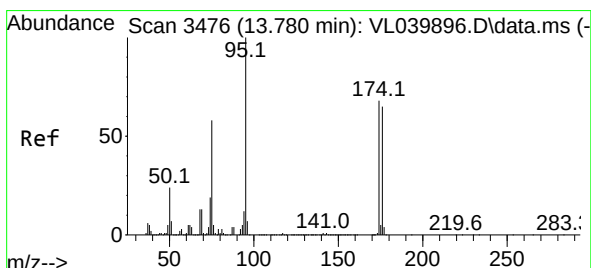
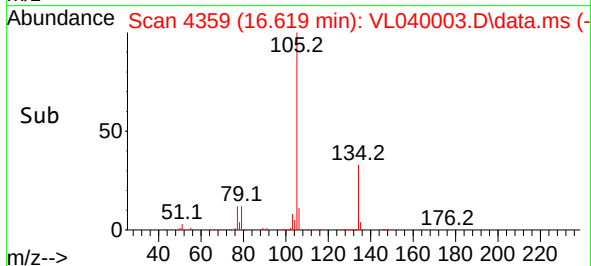
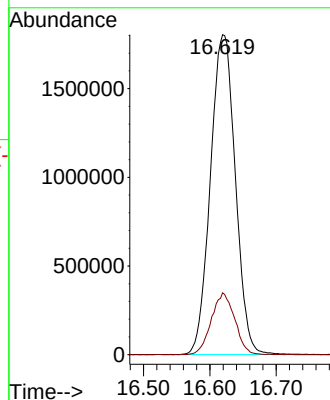
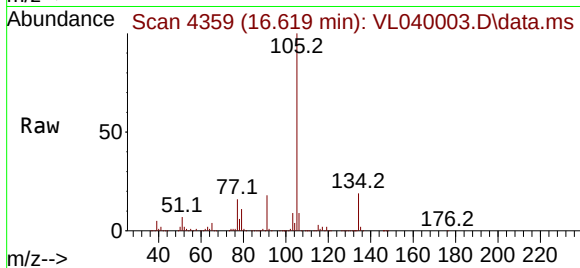
134 18.2 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.781 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

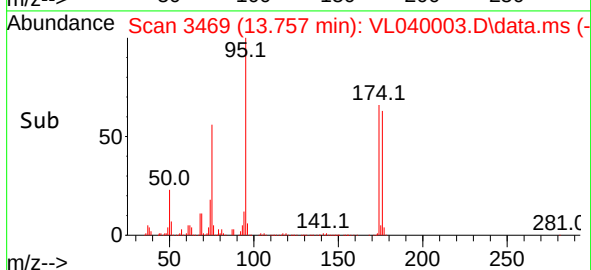
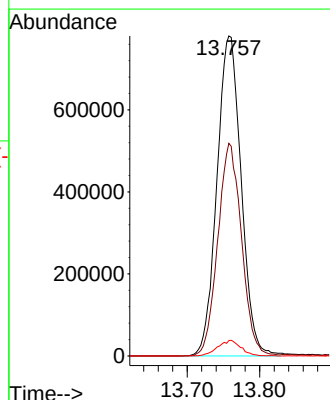
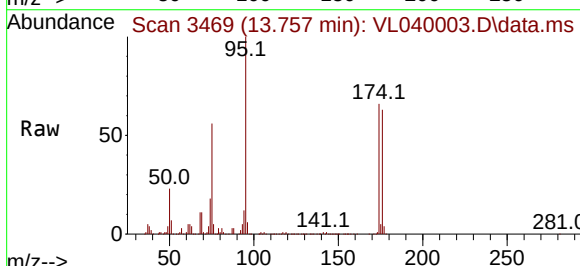
Tgt Ion: 95 Resp: 1811684

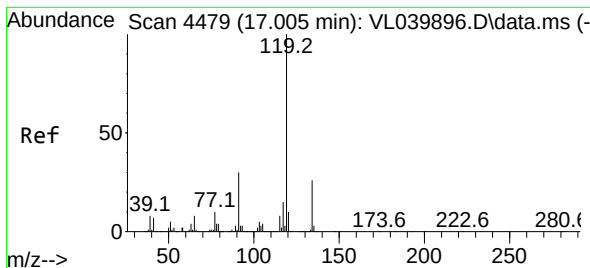
Ion Ratio Lower Upper

95 100

174 65.3 53.7 80.5

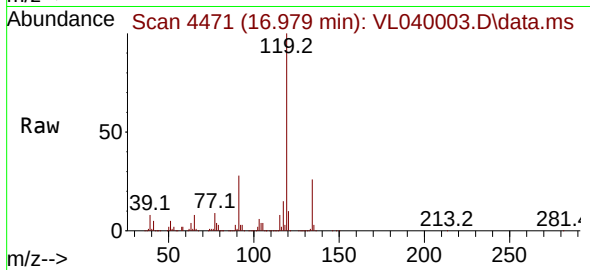
175 4.7 4.0 6.0





#69
p-Isopropyltoluene
Concen: 10.334 ppbv
RT: 16.979 min Scan# 4479
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

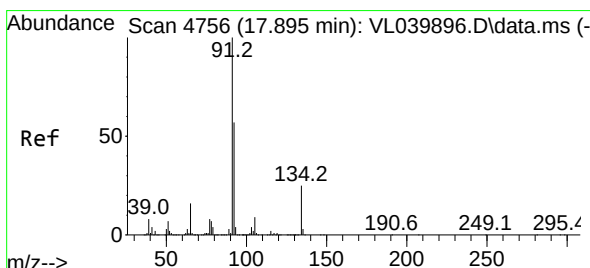
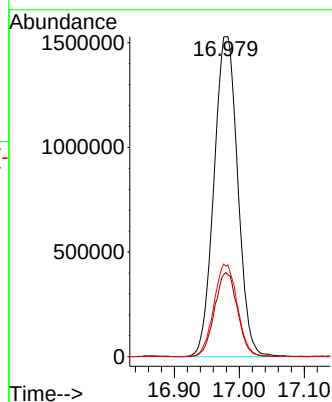
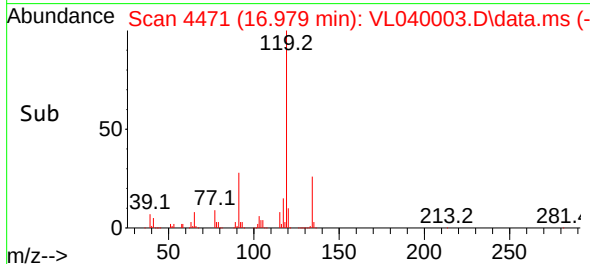
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



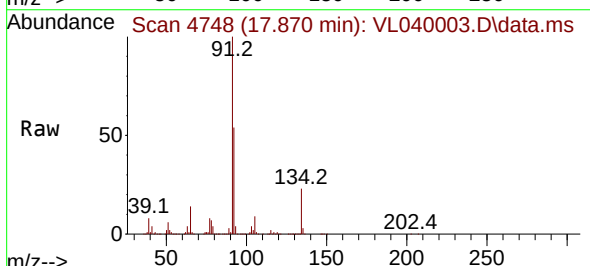
Tgt Ion:119 Resp: 3877328
Ion Ratio Lower Upper
119 100
134 25.4 21.0 31.4
91 28.6 24.4 36.6

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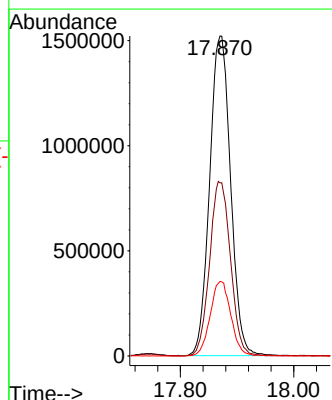
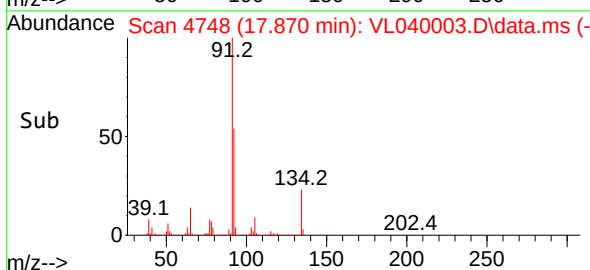
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

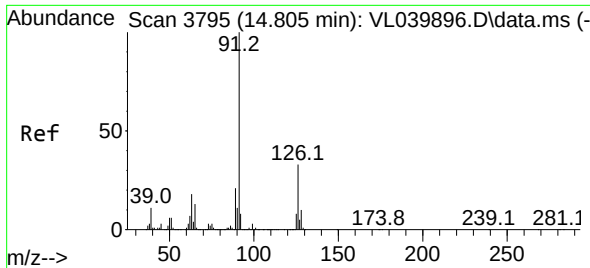


#70
n-Butylbenzene
Concen: 10.495 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion: 91 Resp: 3904025
Ion Ratio Lower Upper
91 100
92 54.6 44.2 66.2
134 23.0 18.8 28.2





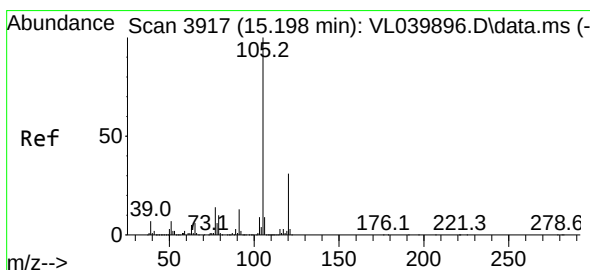
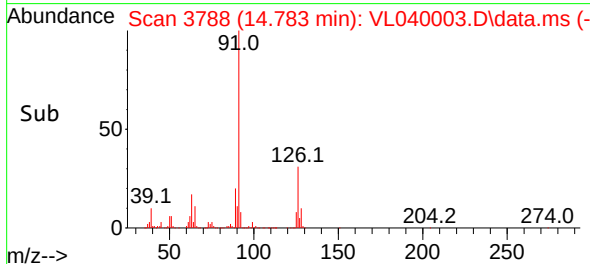
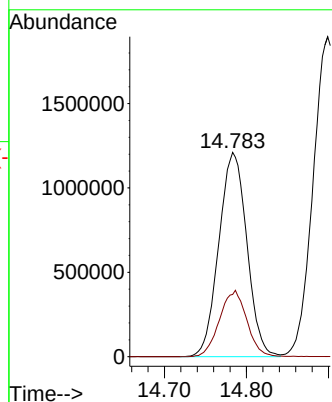
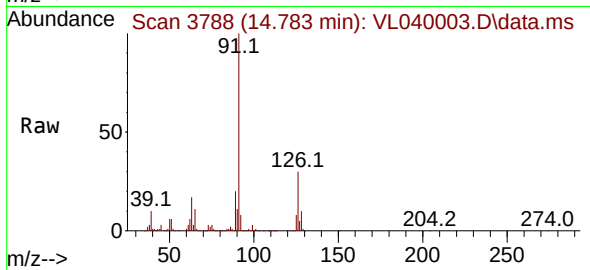
#71
2-Chlorotoluene
Concen: 10.015 ppbv
RT: 14.783 min Scan# 3111
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 287444
Ion Ratio Lower Upper
91 100
126 31.7 12.8 51.0

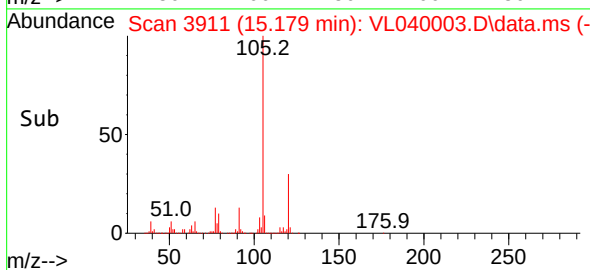
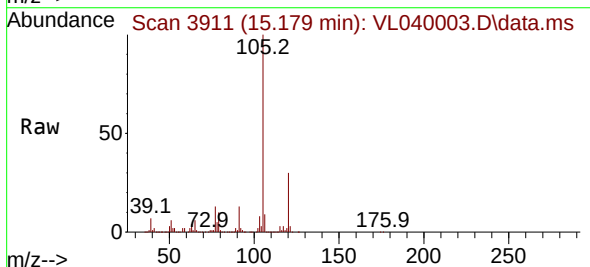
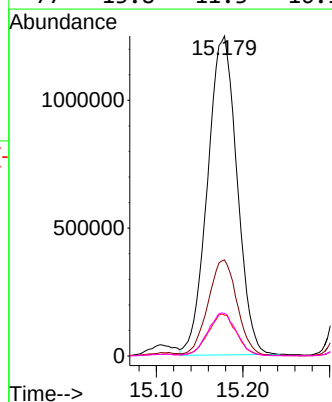
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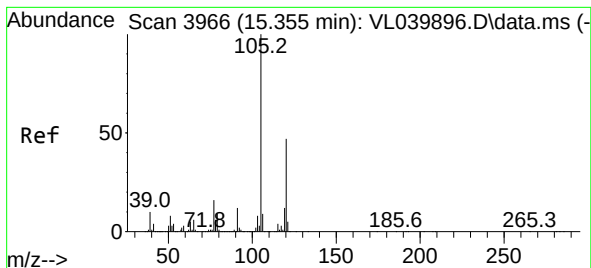
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#72
4-Ethyltoluene
Concen: 9.981 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

Tgt Ion:105 Resp: 2946124
Ion Ratio Lower Upper
105 100
120 31.0 24.5 36.7
91 12.8 10.4 15.6
77 13.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.832 ppbv

RT: 15.333 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 265678

Ion Ratio Lower Upper

105 100

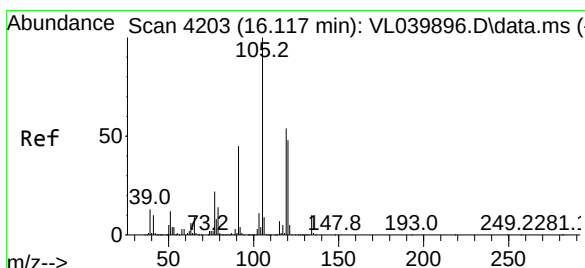
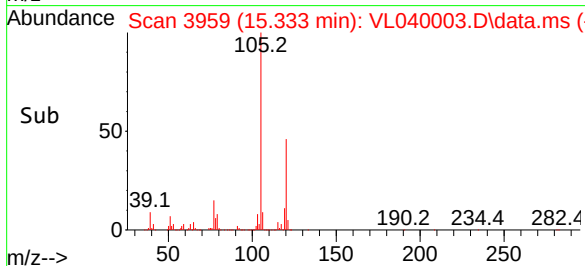
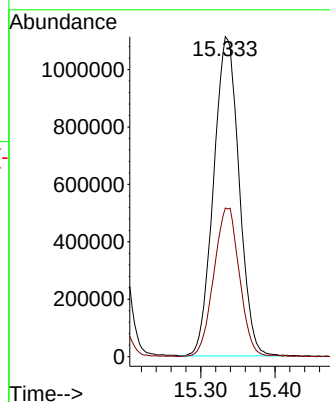
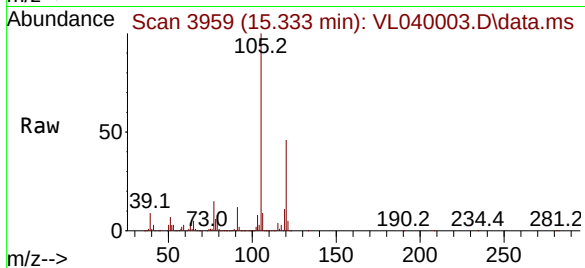
120 46.5 37.9 56.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#74

1,2,4-Trimethylbenzene

Concen: 9.798 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.016 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Tgt Ion:105 Resp: 2803008

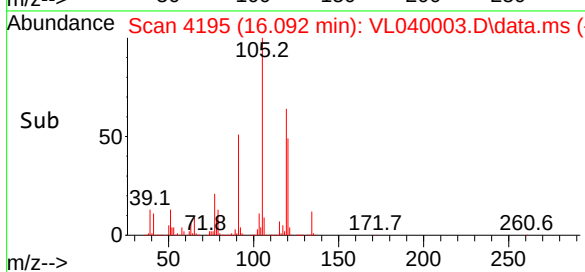
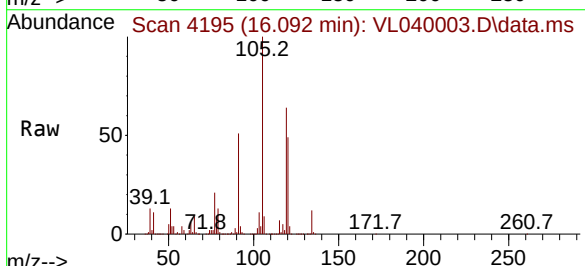
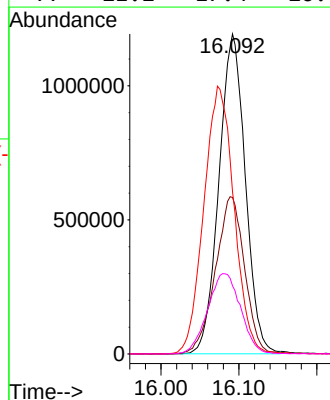
Ion Ratio Lower Upper

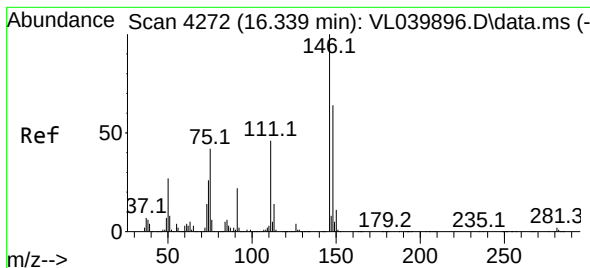
105 100

120 48.7 38.7 58.1

91 50.5 36.4 54.6

77 21.2 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 9.957 ppbv

RT: 16.314 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 160251

Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.9

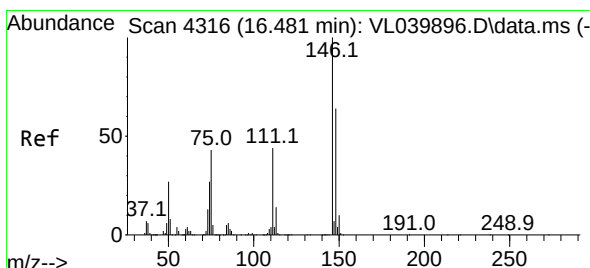
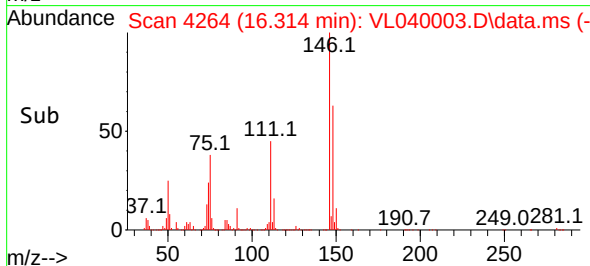
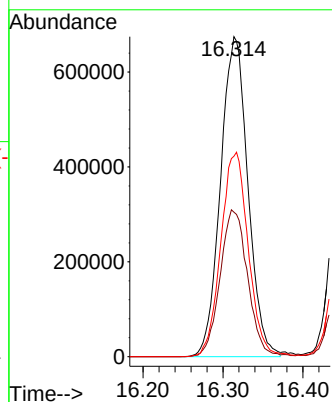
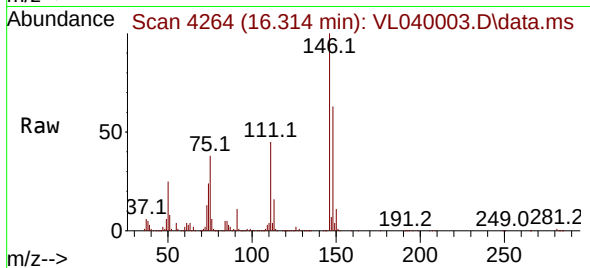
148 64.3 32.2 96.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#76

1,4-Dichlorobenzene

Concen: 9.719 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.020 min

Lab File: VL040003.D

Acq: 13 Dec 2022 8:50

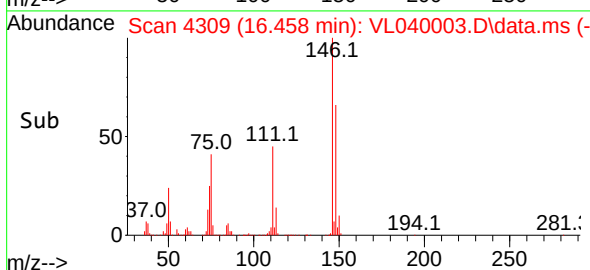
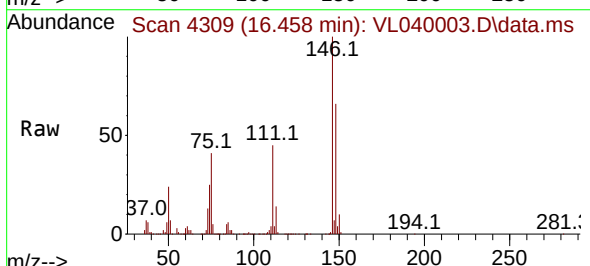
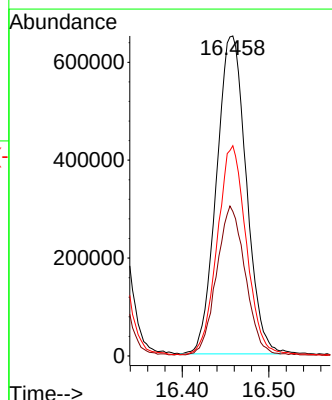
Tgt Ion:146 Resp: 1550725

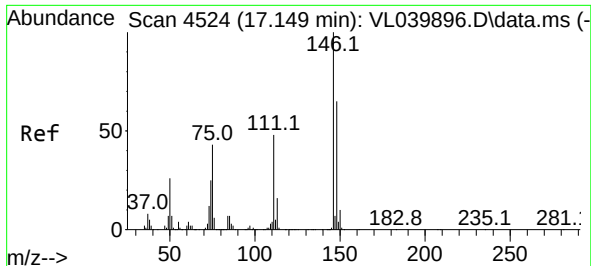
Ion Ratio Lower Upper

146 100

111 46.3 22.4 67.3

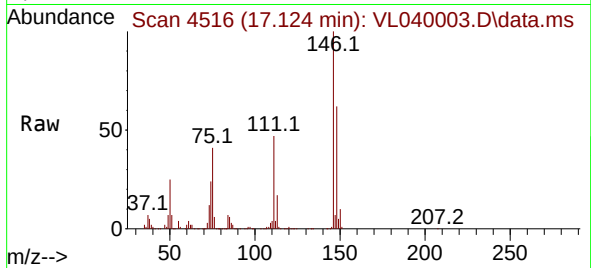
148 65.6 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 9.986 ppbv
RT: 17.124 min Scan# 4516
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

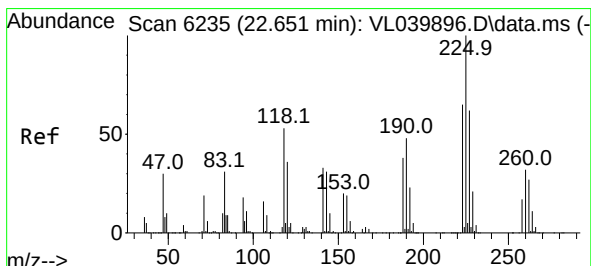
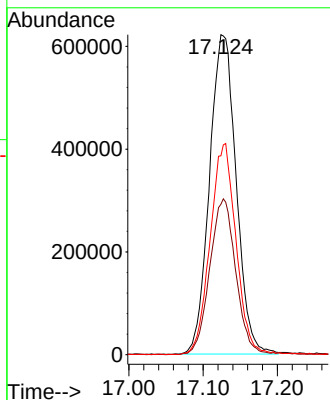
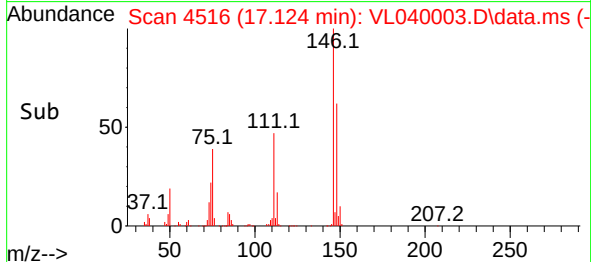
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



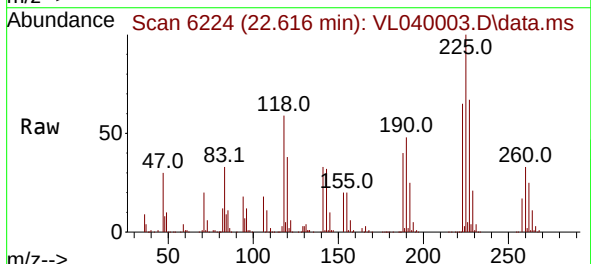
Tgt Ion:146 Resp: 1549558
Ion Ratio Lower Upper
146 100
111 48.2 24.1 72.3
148 64.3 32.4 97.2

Manual Integrations
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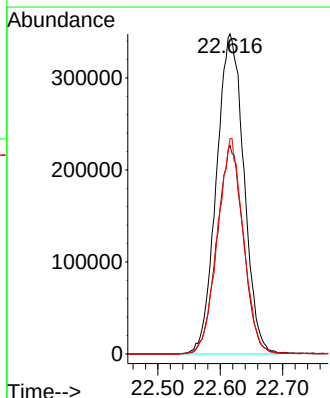
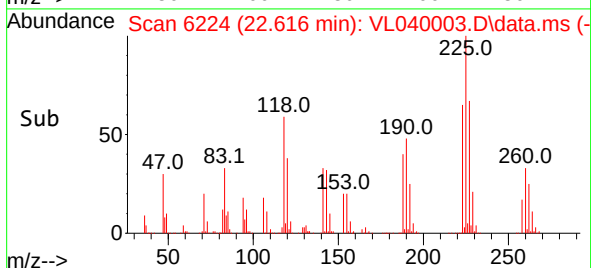
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

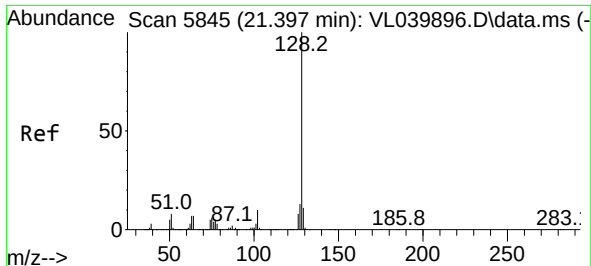


#78
Hexachloro-1,3-Butadiene
Concen: 9.880 ppbv
RT: 22.616 min Scan# 6224
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



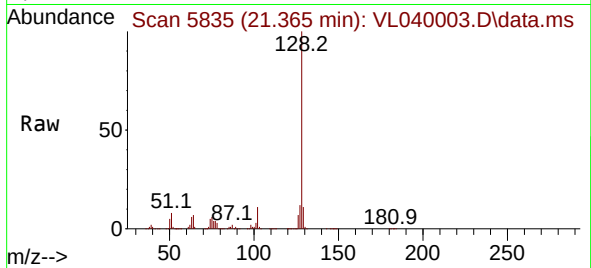
Tgt Ion:225 Resp: 1063810
Ion Ratio Lower Upper
225 100
223 62.9 50.7 76.1
227 63.6 50.8 76.2





#79
Naphthalene
Concen: 12.919 ppbv
RT: 21.365 min Scan# 5835
Delta R.T. 0.016 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50

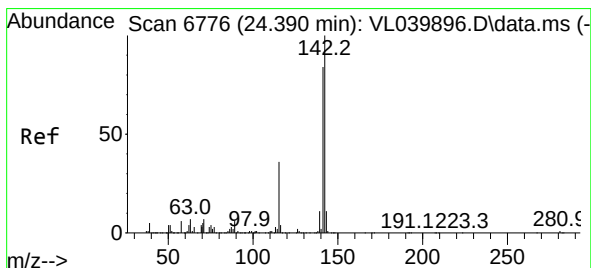
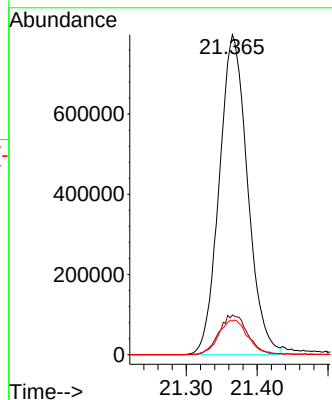
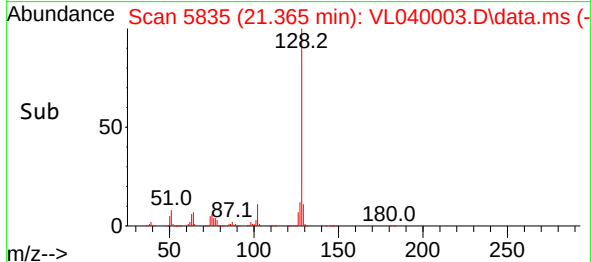
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



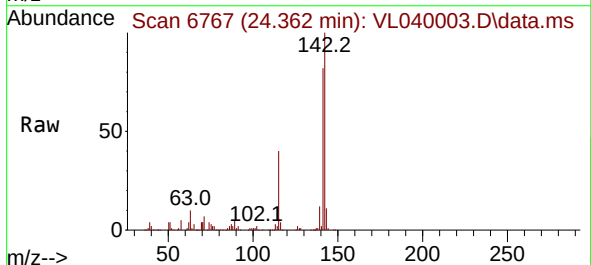
Tgt Ion:128 Resp: 221183
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.6 8.8 13.2

Manual Integrations
APPROVED

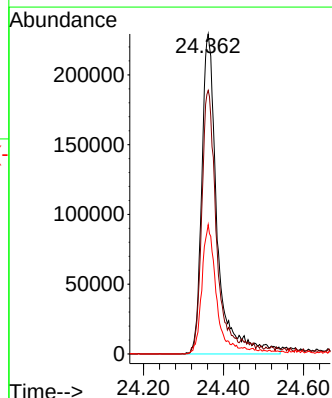
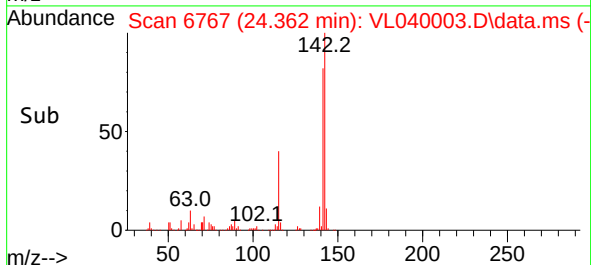
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

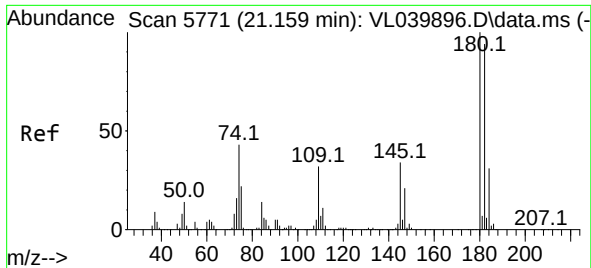


#80
Naphthalene,2-methyl-
Concen: 12.862 ppbv
RT: 24.362 min Scan# 6767
Delta R.T. 0.013 min
Lab File: VL040003.D
Acq: 13 Dec 2022 8:50



Tgt Ion:142 Resp: 619371
Ion Ratio Lower Upper
142 100
141 81.6 69.1 103.7
115 40.4 29.6 44.4





#81

1,2,4-Trichlorobenzene

Concen: 10.893 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.020 min

Lab File: VL040003.D

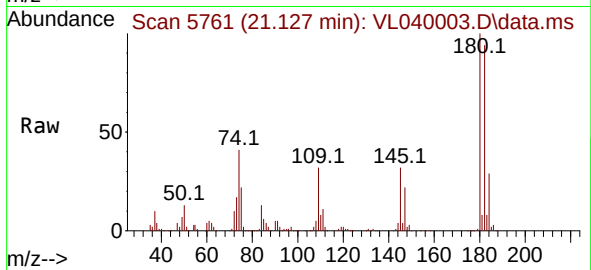
Acq: 13 Dec 2022 8:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 115173

Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.6

184 30.8 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022

