

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040923.D
 Acq On : 21 Dec 2023 9:00
 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 12/23/2023
 Supervised By : Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:03:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1216336	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3070256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3086035m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.744 95 2144289 9.433 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	2171316	9.372	ppbv	99
3) Chlorodifluoromethane	2.690	51	1709510	9.340	ppbv	100
4) Chloromethane	2.825	50	646520	9.579	ppbv	93
5) Vinyl Chloride	2.931	62	656735	10.081	ppbv	99
6) Bromomethane	3.128	94	289792	10.027	ppbv	100
7) Chloroethane	3.205	64	222812	9.593	ppbv	98
8) Dichlorotetrafluoroethane	2.870	85	1615530	9.678	ppbv	98
9) Propene	2.710	41	586935	9.718	ppbv	99
10) Heptane	7.558	43	1486892	9.904	ppbv	100
11) Trichlorofluoromethane	3.565	101	1738873	9.600	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1283952	9.128	ppbv	99
13) Ethanol	3.250	45	116706	7.660	ppbv	92
14) Bromoethene	3.372	108	516862	10.026	ppbv	100
15) Acetone	3.472	43	1209752	8.293	ppbv	100
16) 1,3-Butadiene	2.996	39	633047	10.078	ppbv	99
17) tert-Butyl alcohol	3.880	59	1069665	9.912	ppbv	98
18) 1,1-Dichloroethene	3.880	96	566145	9.748	ppbv	96
19) Isopropyl Alcohol	3.578	45	744867	9.785	ppbv	100
20) Methylene Chloride	3.935	84	458893	8.825	ppbv	98
21) Allyl Chloride	3.996	41	833690	9.668	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	705549	10.654	ppbv	94
23) Vinyl Acetate	4.619	43	1795175	11.155	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1417490	9.847	ppbv	100
25) Ethyl Acetate	5.192	43	2544547	10.067	ppbv	100
26) Hexane	5.205	57	1084690	9.683	ppbv	99
27) Carbon Disulfide	4.121	76	1466445	9.672	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1065689	10.252	ppbv	100
29) Chloroform	5.262	83	1825547	9.657	ppbv	99
30) Cyclohexane	6.584	84	930506	9.963	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1153904	10.027	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1837415	10.053	ppbv	99
34) 2-Butanone	4.777	43	1588197	9.779	ppbv	100
35) Carbon Tetrachloride	6.478	117	1953926	10.162	ppbv	97
36) Benzene	6.356	78	2326347	9.693	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1421024	9.881	ppbv	100
38) Trichloroethene	7.272	130	898653	9.969	ppbv	98
39) 1,2-Dichloropropane	7.053	63	914476	9.696	ppbv	97
40) 1,4-Dioxane	7.259	88	372421	9.352	ppbv	96
41) Tetrahydrofuran	5.542	42	982964	9.948	ppbv	98
42) Bromodichloromethane	7.227	83	2062380	9.943	ppbv	97
43) Methyl Methacrylate	7.452	69	969281	10.296	ppbv	98
44) 2,2,4-Trimethylpentane	7.307	57	3815928	9.360	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	797614	11.420	ppbv	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

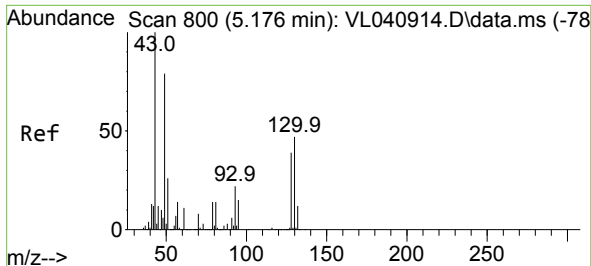
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

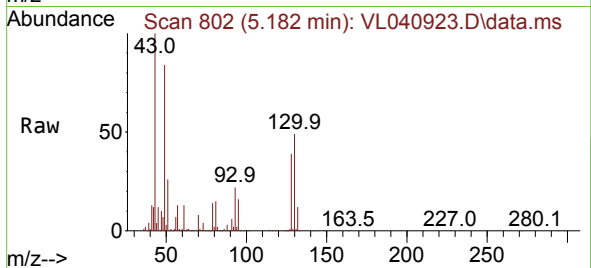
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	923295	10.677	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	973574	9.731	ppbv	97
48) Dibromochloromethane	9.680	129	1759798	10.304	ppbv	100
49) Bromoform	12.375	173	1395351	10.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2460300	10.002	ppbv	99
51) 2-Hexanone	9.523	43	1830765	10.341	ppbv	100
52) Tetrachloroethene	10.584	164	811920	10.042	ppbv	97
53) Toluene	9.192	91	2688873	10.103	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1446004	10.532	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.478	131	1241097	9.197	ppbv	98
57) Chlorobenzene	11.497	112	2067448	9.097	ppbv	100
58) Ethyl Benzene	12.056	91	3633101	9.166	ppbv	99
59) m/p-Xylene	12.343	91	6105892m	18.110	ppbv	
60) o-Xylene	13.024	91	2896824	9.119	ppbv	100
61) Styrene	12.867	104	1547153	10.245	ppbv	99
62) Isopropylbenzene	13.995	105	4249639	9.021	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.011	83	2122090	9.273	ppbv	99
64) n-propylbenzene	14.883	120	1110658	9.399	ppbv	99
65) tert-Butylbenzene	16.056	119	3722167	9.295	ppbv	99
66) Benzyl Chloride	16.291	91	325374	11.874	ppbv	99
67) sec-Butylbenzene	16.600	105	5251867	9.025	ppbv	99
69) p-Isopropyltoluene	16.960	119	4270996	9.442	ppbv	100
70) n-Butylbenzene	17.850	91	4494140	9.570	ppbv	100
71) 2-Chlorotoluene	14.767	91	3324265	9.163	ppbv	99
72) 4-Ethyltoluene	15.159	105	3333468	9.561	ppbv	100
73) 1,3,5-Trimethylbenzene	15.317	105	2878026	9.564	ppbv	97
74) 1,2,4-Trimethylbenzene	16.072	105	3167613	9.458	ppbv	97
75) 1,3-Dichlorobenzene	16.294	146	1820535	9.517	ppbv	100
76) 1,4-Dichlorobenzene	16.439	146	1771357	9.465	ppbv	100
77) 1,2-Dichlorobenzene	17.108	146	1733194	9.404	ppbv	99
78) Hexachloro-1,3-Butadiene	22.593	225	957540	8.448	ppbv	100
79) Naphthalene	21.342	128	2084295m	12.917	ppbv	
80) Naphthalene,2-methyl-	24.349	142	349595	11.853	ppbv	96
81) 1,2,4-Trichlorobenzene	21.098	180	1039681	11.223	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

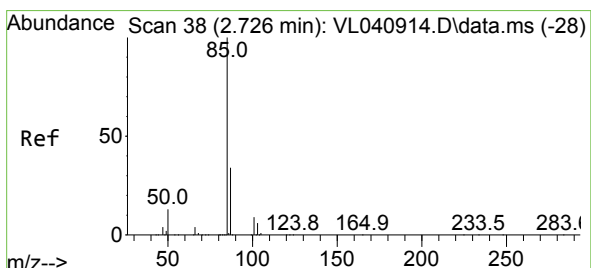
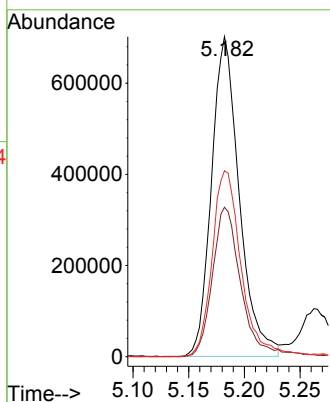
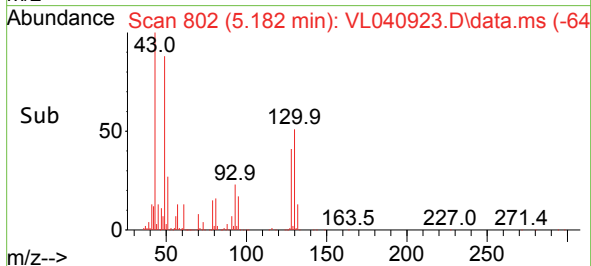
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



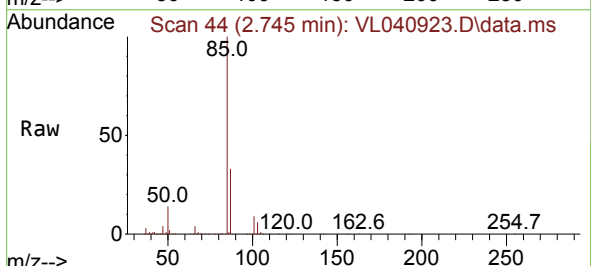
Tgt Ion: 49 Resp: 1216330
Ion Ratio Lower Upper
49 100
128 49.0 23.8 71.2
130 61.9 30.1 90.5

Manual Integrations
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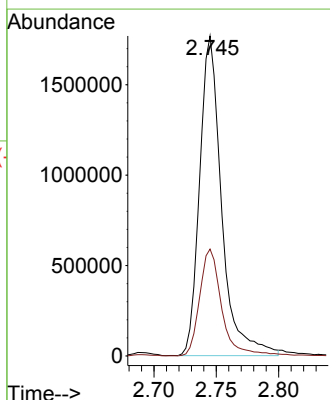
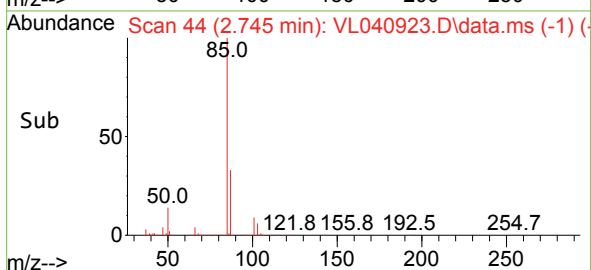
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

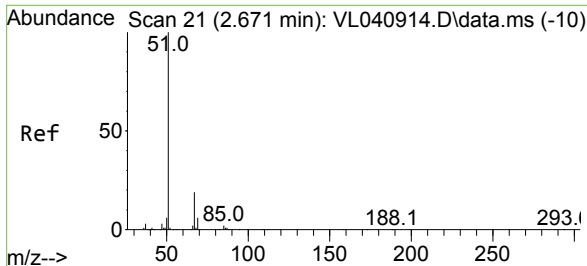


#2
Dichlorodifluoromethane
Concen: 9.372 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.019 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



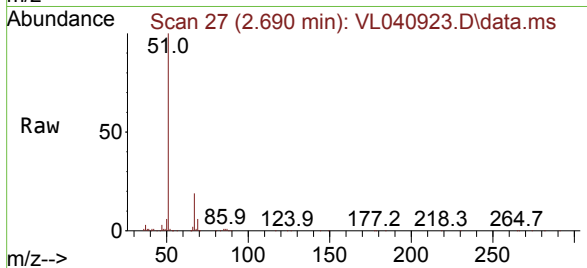
Tgt Ion: 85 Resp: 2171316
Ion Ratio Lower Upper
85 100
87 33.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 9.340 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

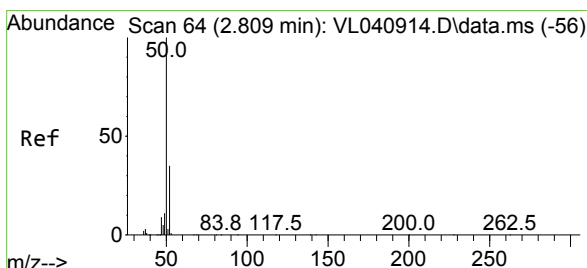
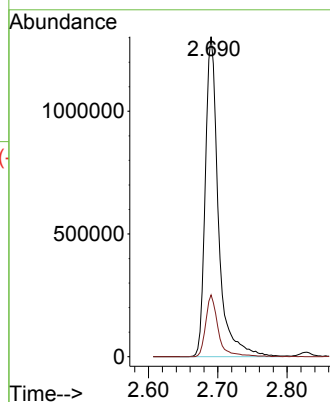
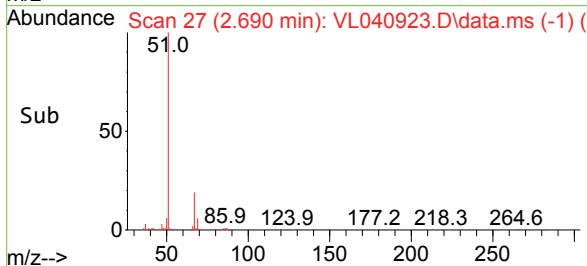
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 1709510
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1

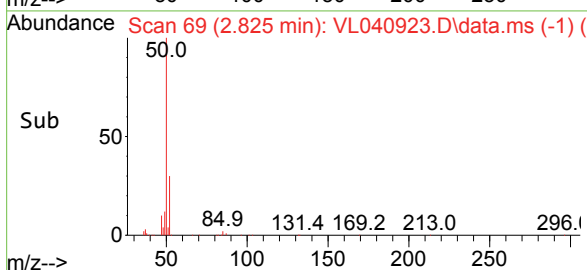
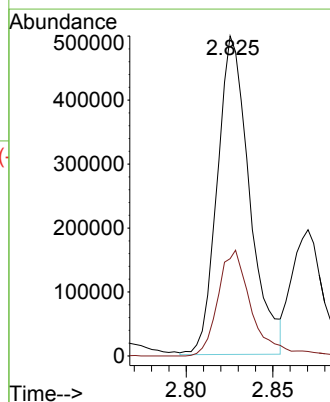
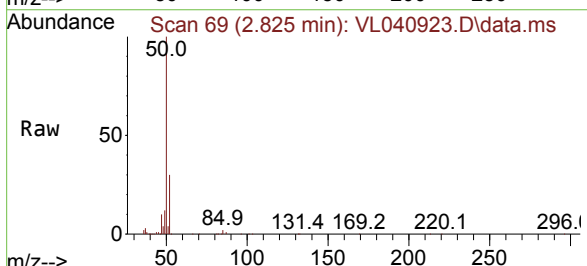
Manual Integrations
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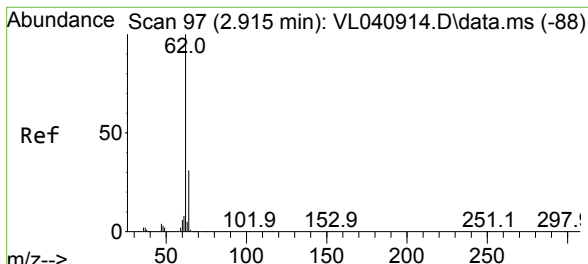
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#4
Chloromethane
Concen: 9.579 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

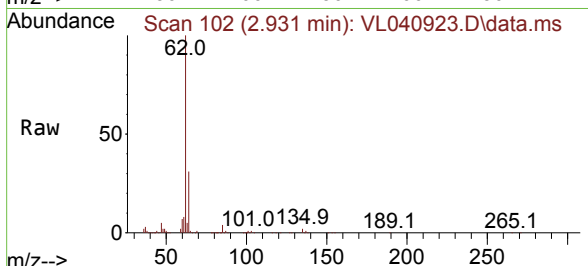
Tgt Ion: 50 Resp: 646520
Ion Ratio Lower Upper
50 100
52 30.7 28.0 42.0





#5
 Vinyl Chloride
 Concen: 10.081 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. 0.016 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

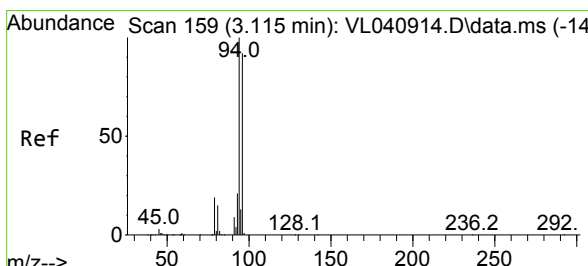
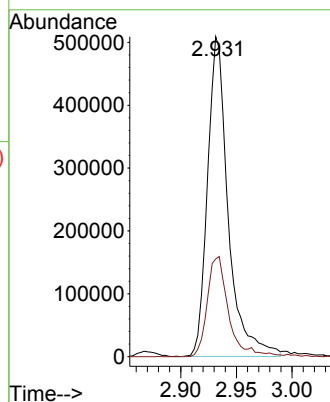
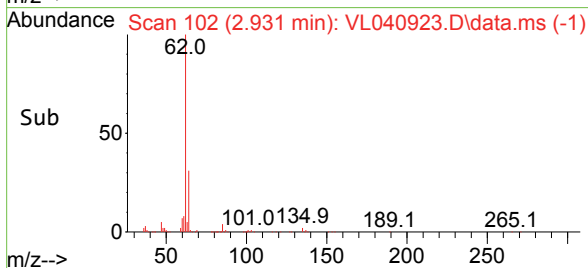
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



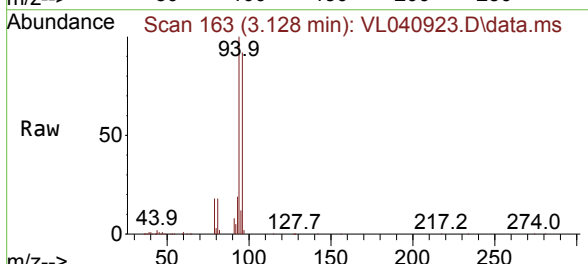
Tgt Ion: 62 Resp: 656735
 Ion Ratio Lower Upper
 62 100
 64 30.6 24.9 37.3

Manual Integrations
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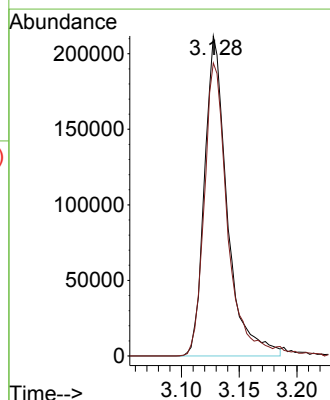
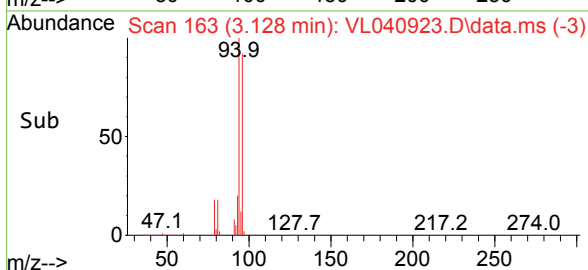
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

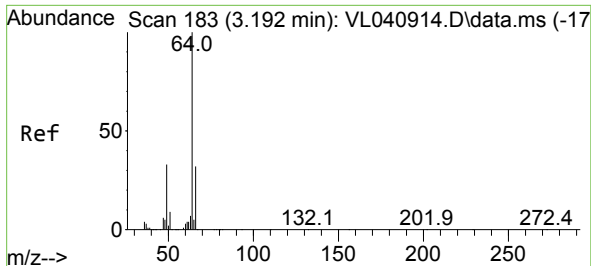


#6
 Bromomethane
 Concen: 10.027 ppbv
 RT: 3.128 min Scan# 163
 Delta R.T. 0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



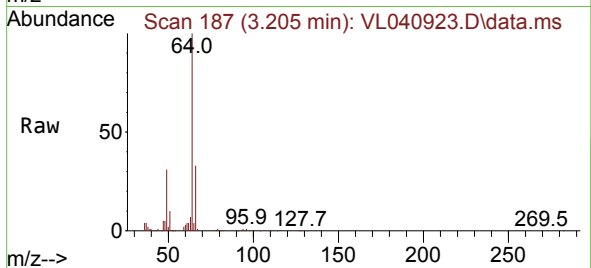
Tgt Ion: 94 Resp: 289792
 Ion Ratio Lower Upper
 94 100
 96 91.5 73.2 109.8





#7
Chloroethane
Concen: 9.593 ppbv
RT: 3.205 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

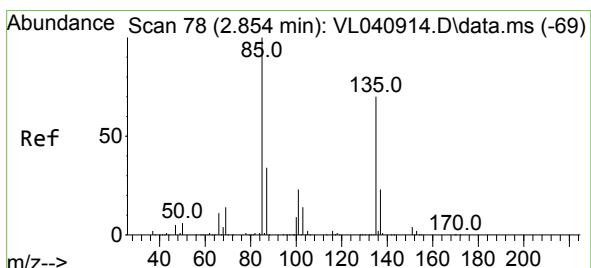
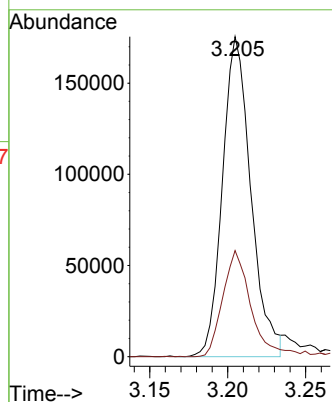
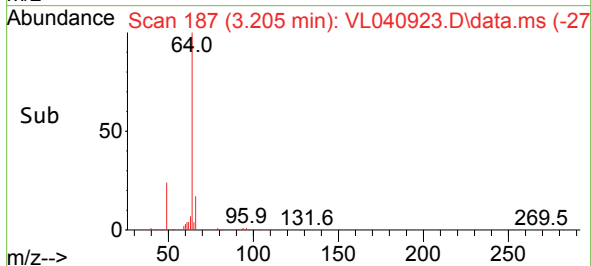
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 222812
Ion Ratio Lower Upper
64 100
66 33.1 25.7 38.5

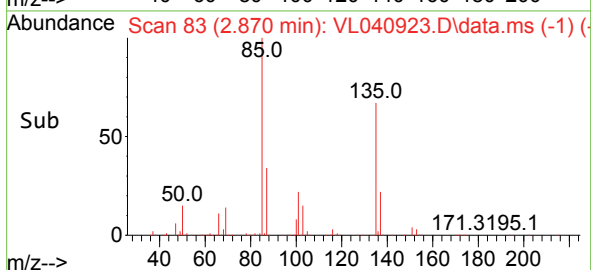
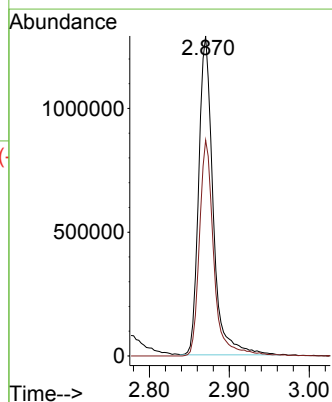
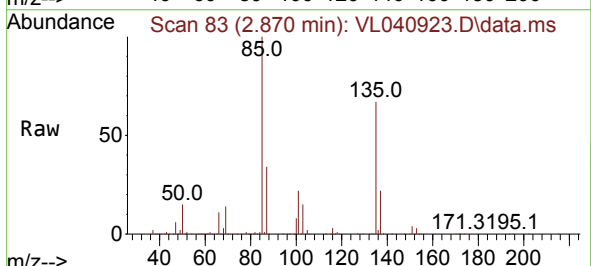
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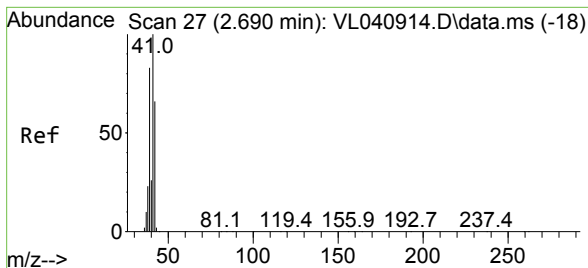
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#8
Dichlorotetrafluoroethane
Concen: 9.678 ppbv
RT: 2.870 min Scan# 83
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 85 Resp: 1615530
Ion Ratio Lower Upper
85 100
135 68.3 55.8 83.8





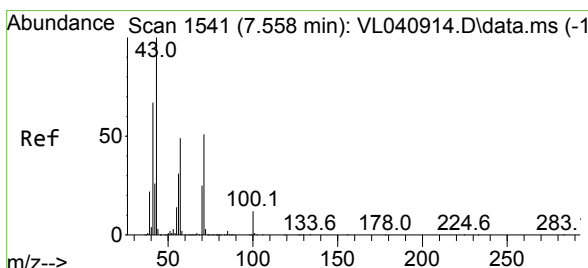
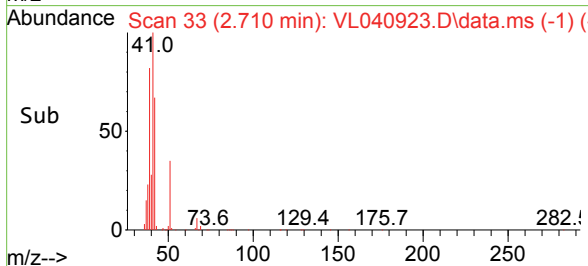
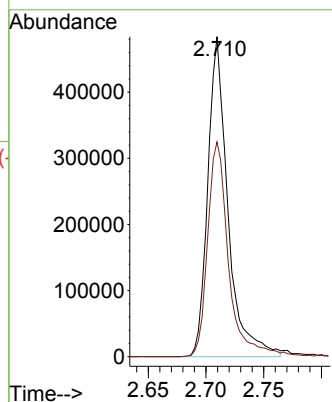
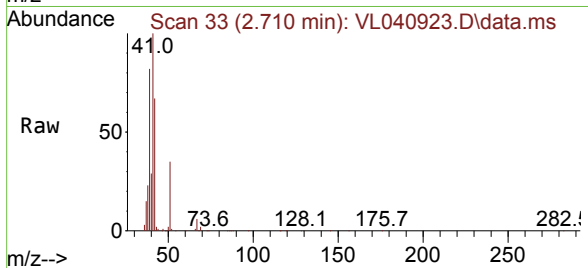
#9
 Propene
 Concen: 9.718 ppbv
 RT: 2.710 min Scan# 31
 Delta R.T. 0.019 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 586935
 Ion Ratio Lower Upper
 41 100
 42 70.5 55.8 83.6

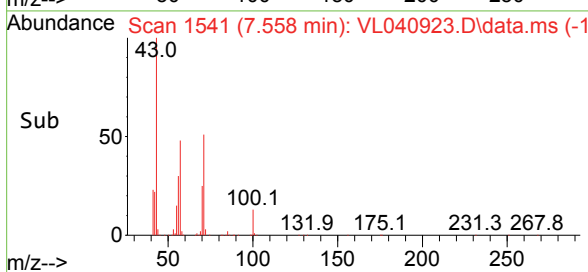
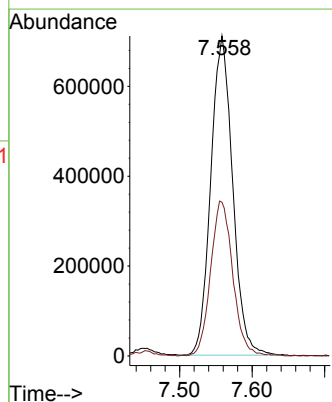
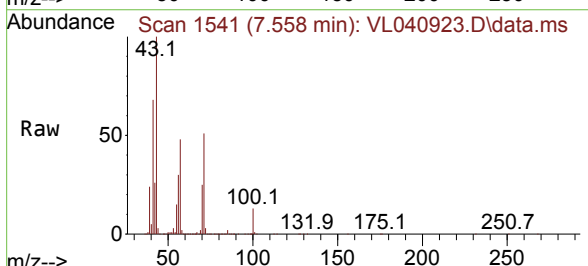
Manual Integrations
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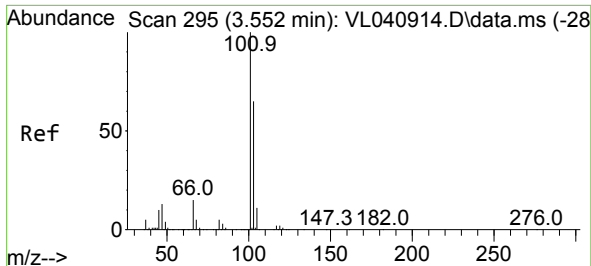
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#10
 Heptane
 Concen: 9.904 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

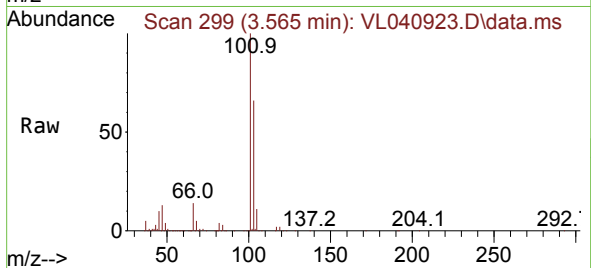
Tgt Ion: 43 Resp: 1486892
 Ion Ratio Lower Upper
 43 100
 57 49.4 39.3 58.9





#11
 Trichlorofluoromethane
 Concen: 9.600 ppbv
 RT: 3.565 min Scan# 295
 Delta R.T. 0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

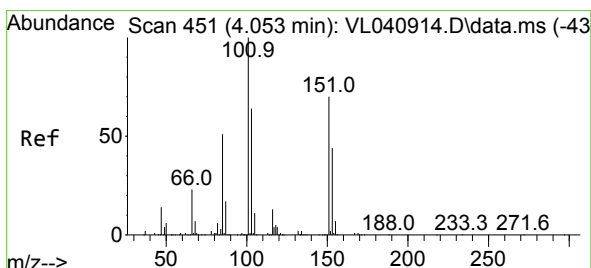
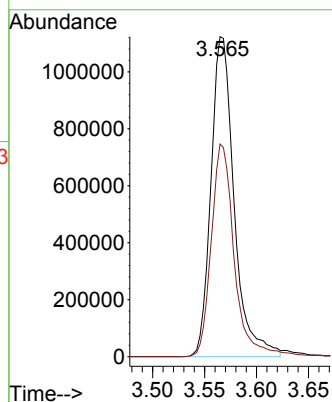
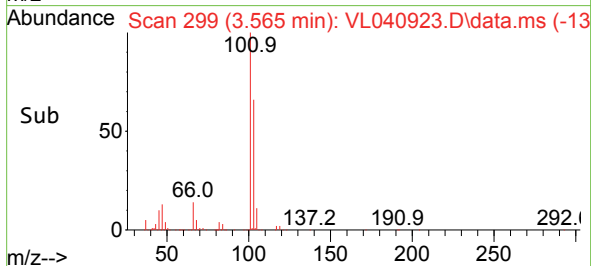
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



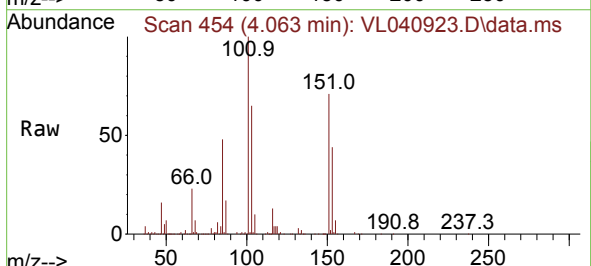
Tgt Ion:101 Resp: 173887
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.9 77.9

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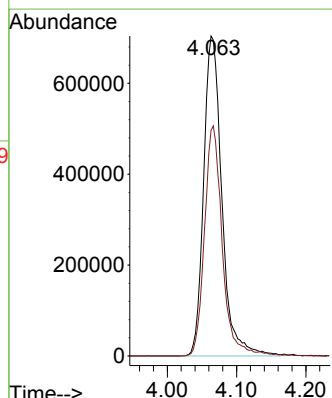
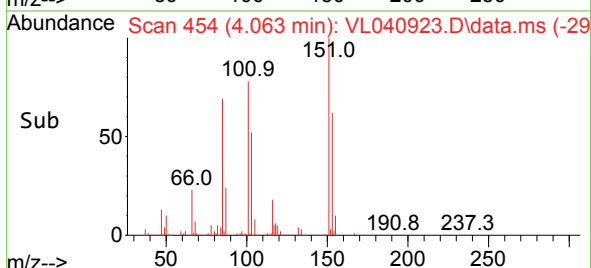
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

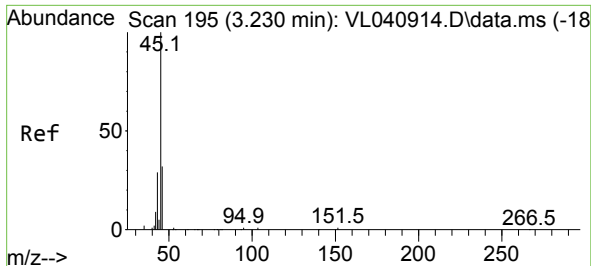


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.128 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



Tgt Ion:101 Resp: 1283952
 Ion Ratio Lower Upper
 101 100
 151 70.4 55.8 83.8





#13
Ethanol
Concen: 7.660 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

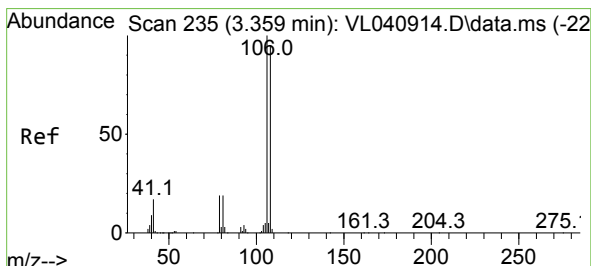
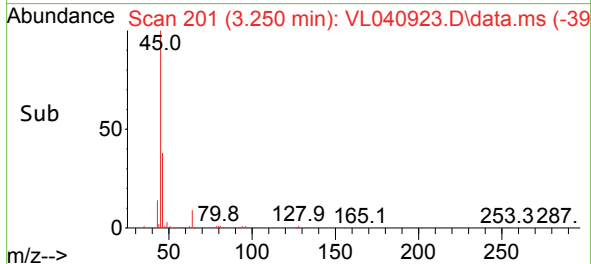
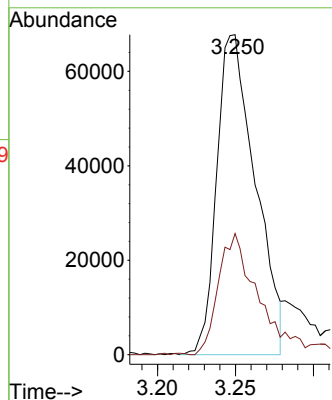
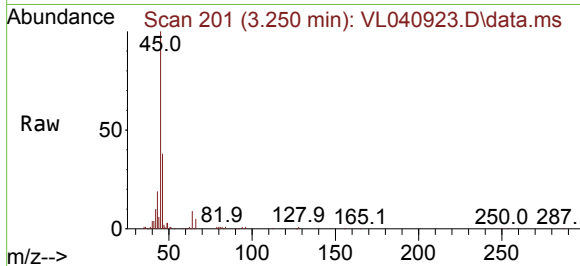
ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 116700
Ion Ratio Lower Upper
45 100
46 42.1 15.0 60.0

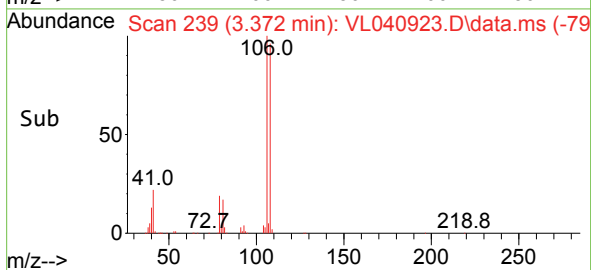
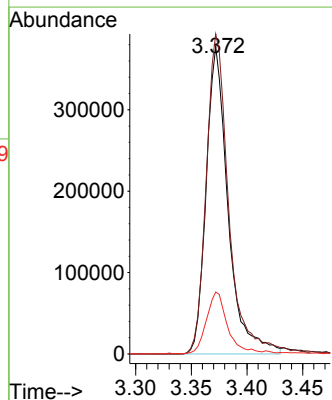
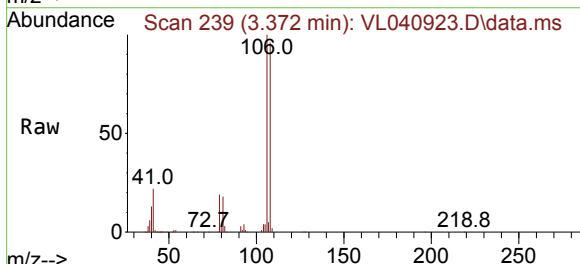
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APPROVED

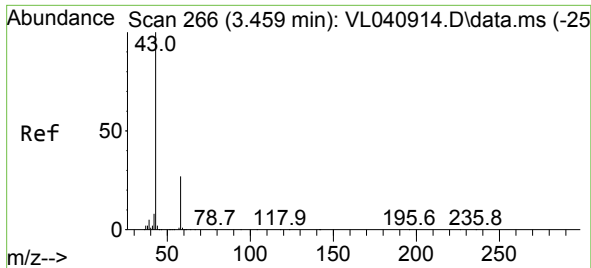
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#14
Bromoethene
Concen: 10.026 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion:108 Resp: 516862
Ion Ratio Lower Upper
108 100
106 108.9 87.5 131.3
79 20.8 16.6 24.8





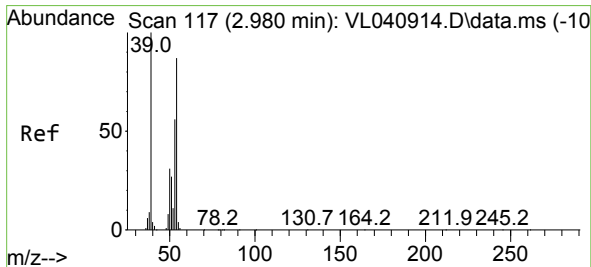
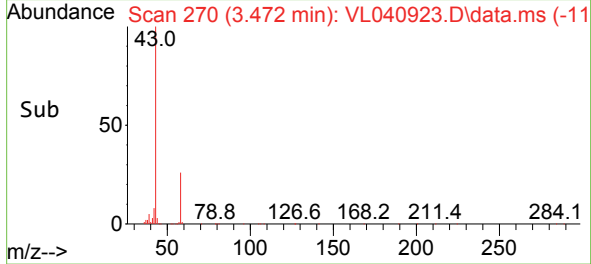
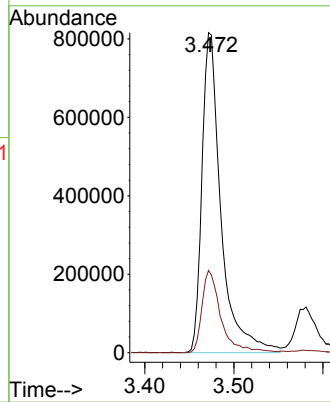
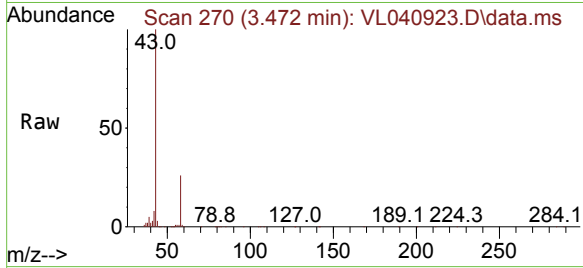
#15
Acetone
Concen: 8.293 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 120975
Ion Ratio Lower Upper
43 100
58 25.8 20.6 30.8

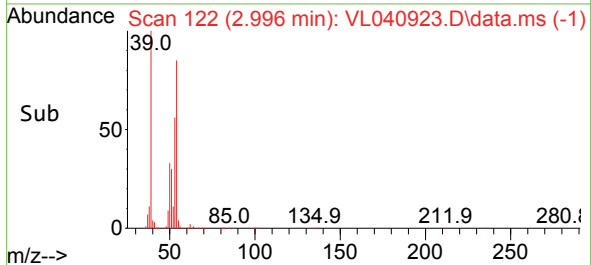
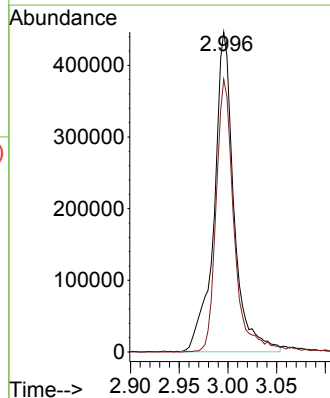
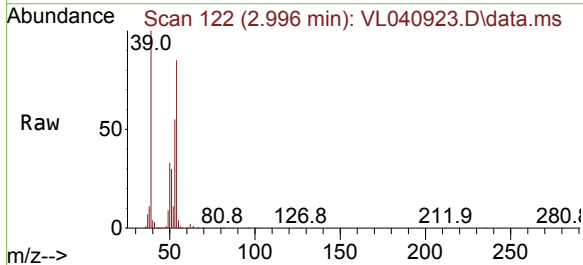
Manual Integrations
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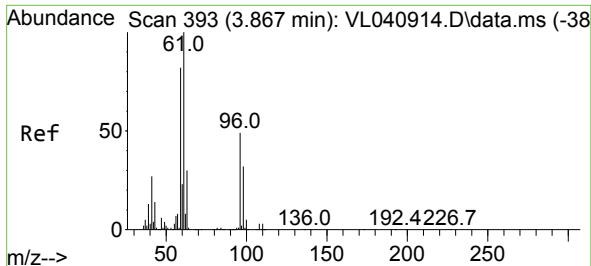
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#16
1,3-Butadiene
Concen: 10.078 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 39 Resp: 633047
Ion Ratio Lower Upper
39 100
54 78.6 63.8 95.6





#17

tert-Butyl alcohol

Concen: 9.912 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.013 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 106966

Ion Ratio Lower Upper

59 100

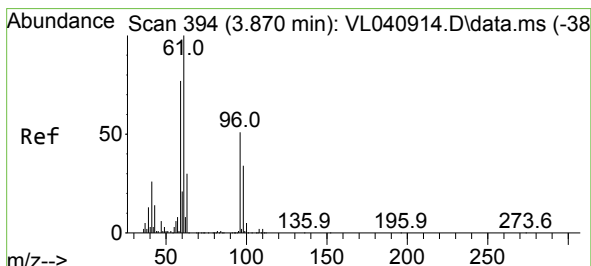
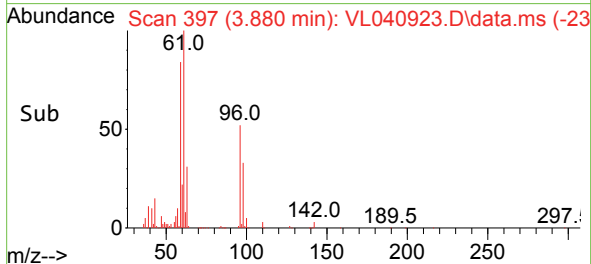
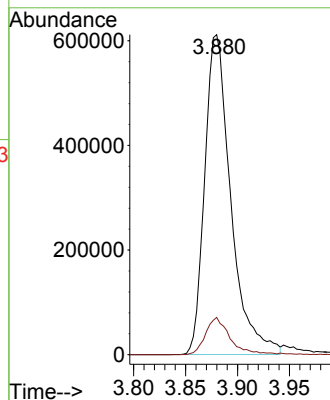
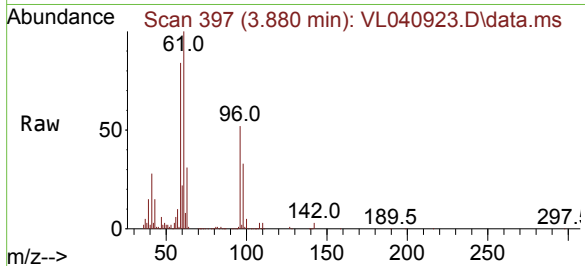
57 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#18

1,1-Dichloroethene

Concen: 9.748 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

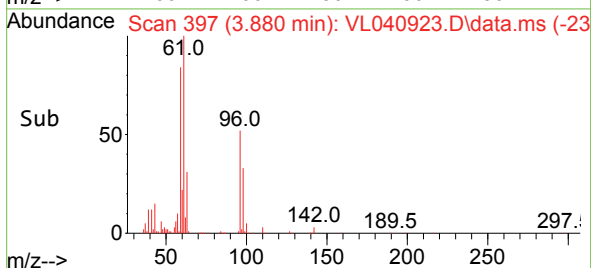
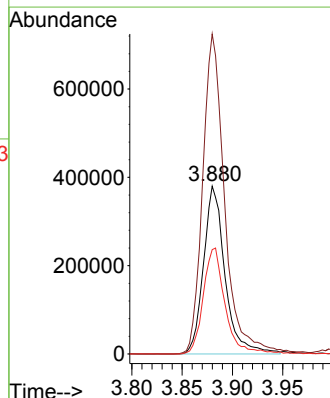
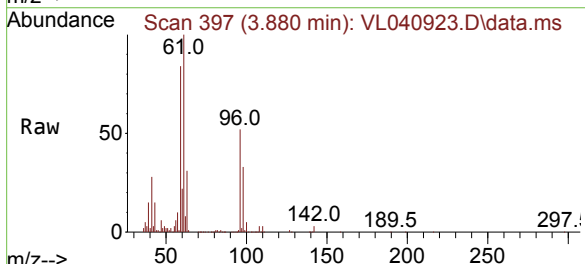
Tgt Ion: 96 Resp: 566145

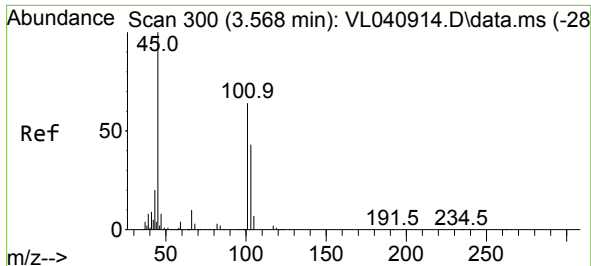
Ion Ratio Lower Upper

96 100

61 190.2 156.6 235.0

98 62.1 52.5 78.7





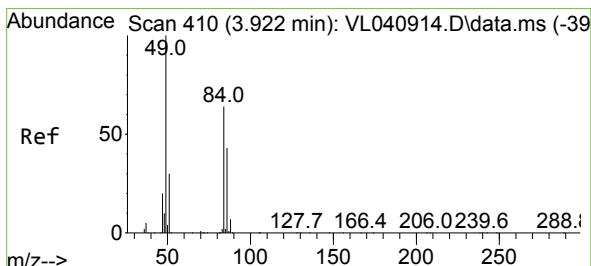
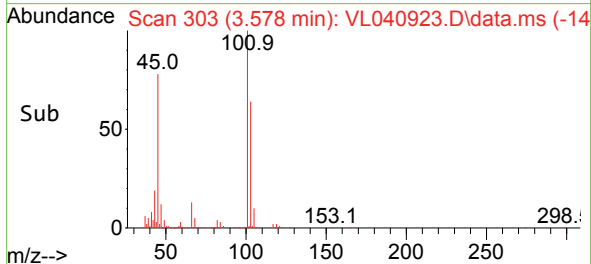
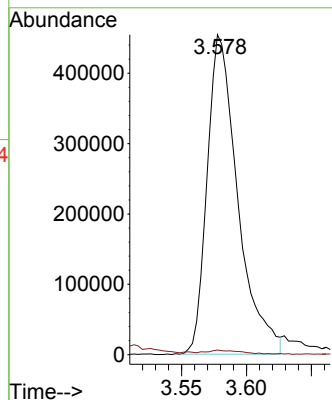
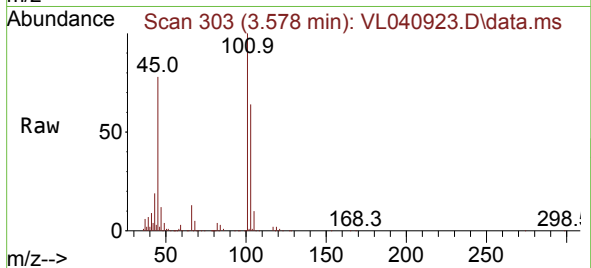
#19
Isopropyl Alcohol
Concen: 9.785 ppbv
RT: 3.578 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 74486
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3

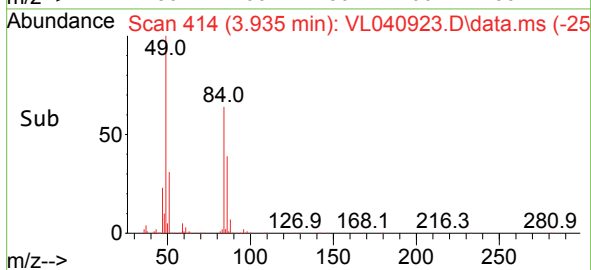
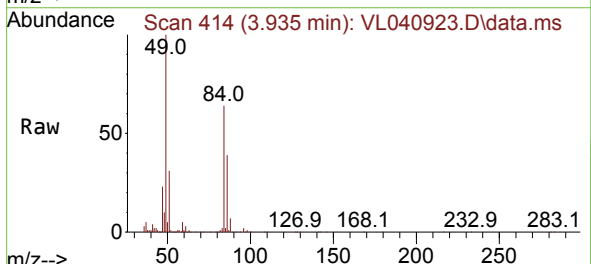
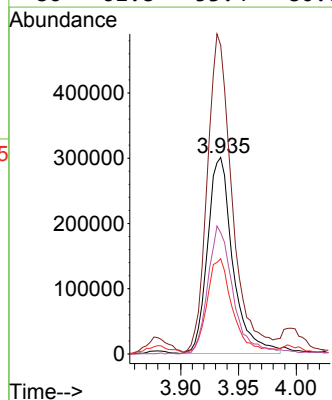
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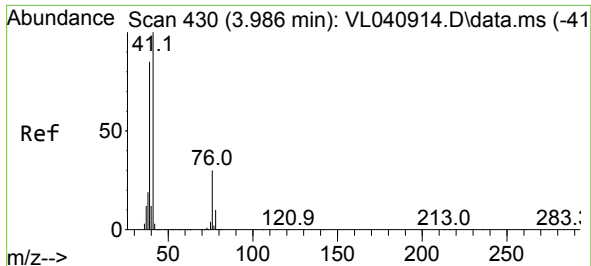
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#20
Methylene Chloride
Concen: 8.825 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 84 Resp: 458893
Ion Ratio Lower Upper
84 100
49 155.8 124.6 187.0
51 47.2 37.2 55.8
86 61.8 53.4 80.0





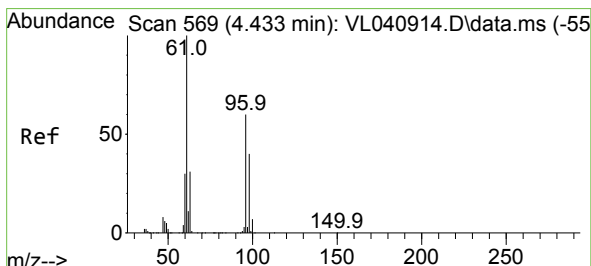
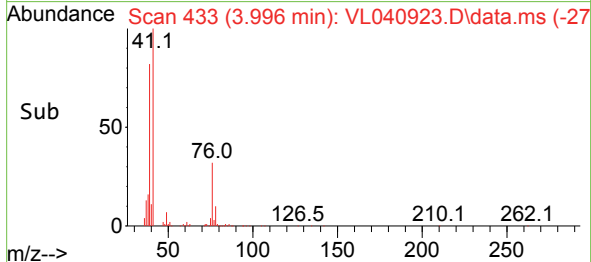
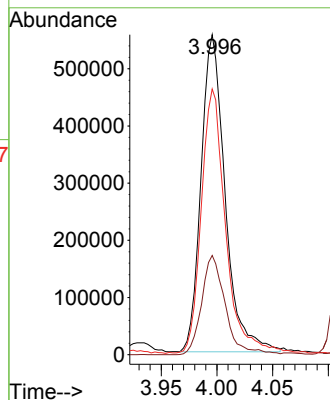
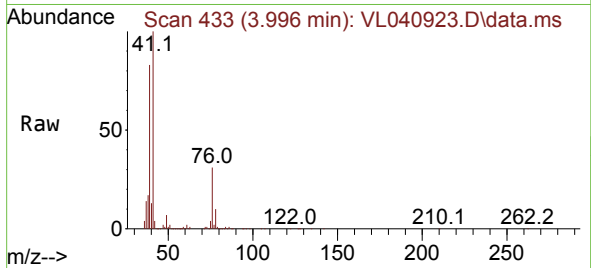
#21
 Allyl Chloride
 Concen: 9.668 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 833690
 Ion Ratio Lower Upper
 41 100
 76 31.2 23.9 35.9
 39 84.9 66.5 99.7

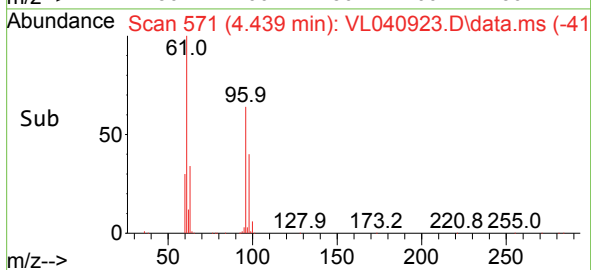
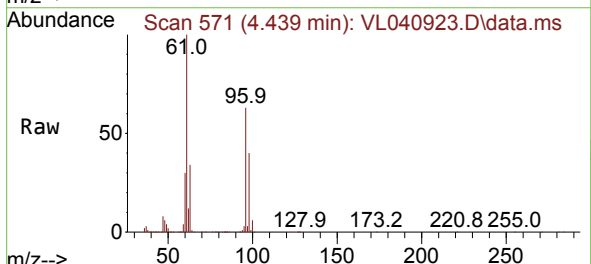
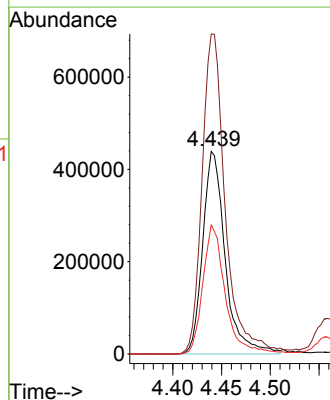
Manual Integrations
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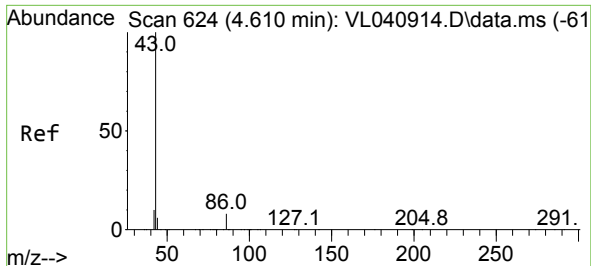
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 10.654 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.006 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion: 96 Resp: 705549
 Ion Ratio Lower Upper
 96 100
 61 157.8 133.0 199.6
 98 63.6 53.7 80.5





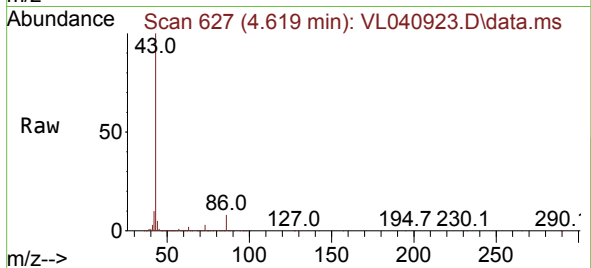
#23
 Vinyl Acetate
 Concen: 11.155 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

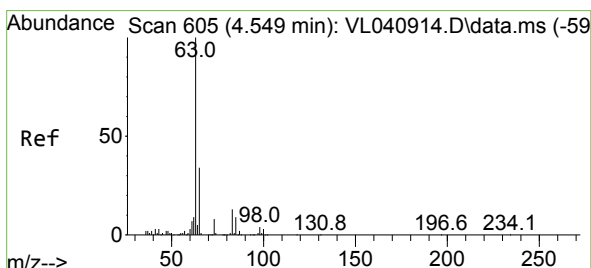
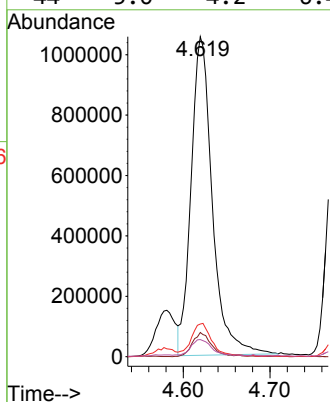
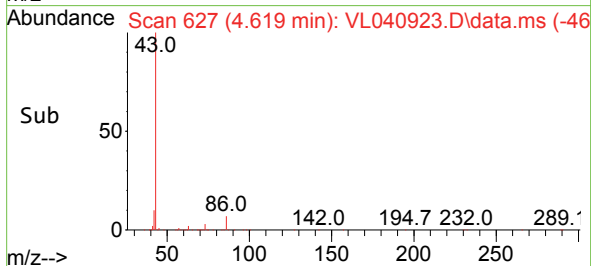


Tgt Ion: 43 Resp: 1795179
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.5 8.3
 42 10.1 8.4 12.6
 44 5.0 4.2 6.4

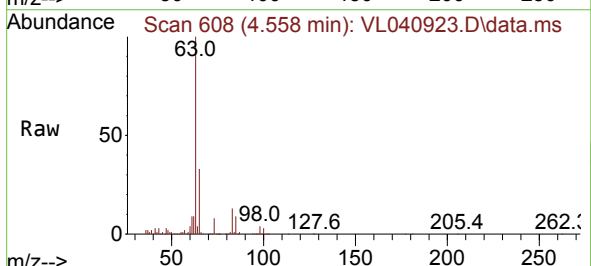
Manual Integrations

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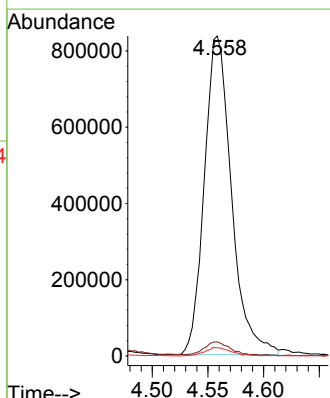
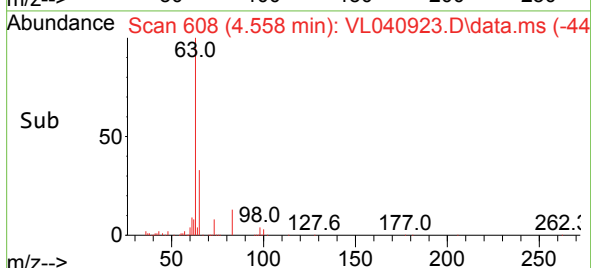
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

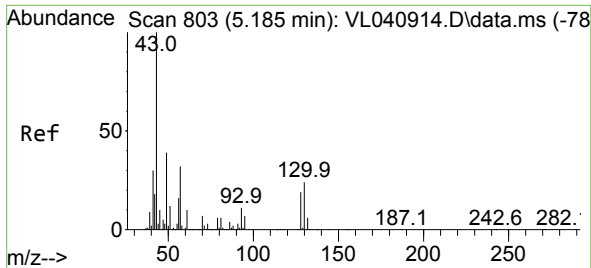


#24
 1,1-Dichloroethane
 Concen: 9.847 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



Tgt Ion: 63 Resp: 1417490
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.1 6.5
 100 2.6 1.4 4.2





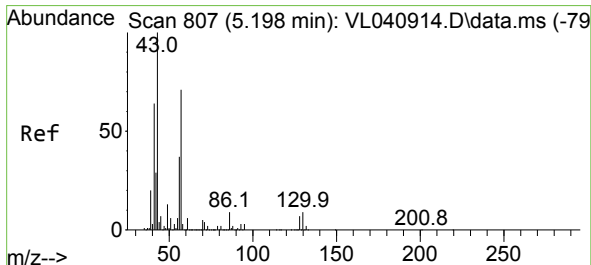
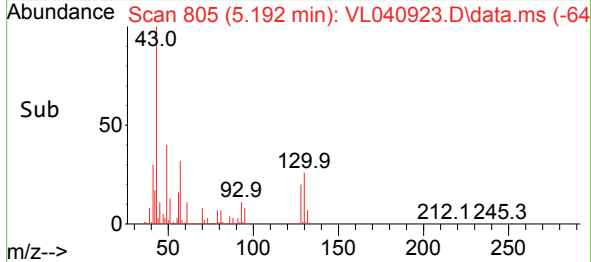
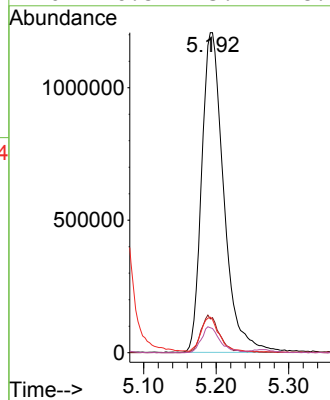
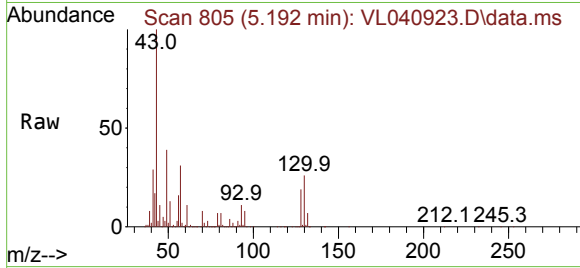
#25
Ethyl Acetate
Concen: 10.067 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 254454
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.2
61 9.7 7.6 11.4
70 6.8 5.4 8.2

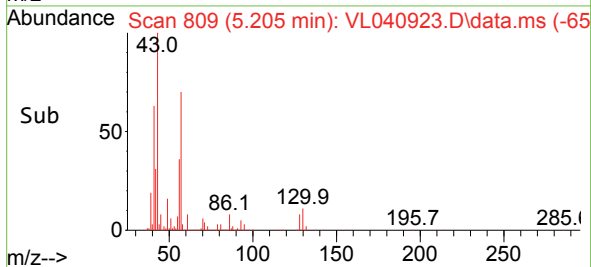
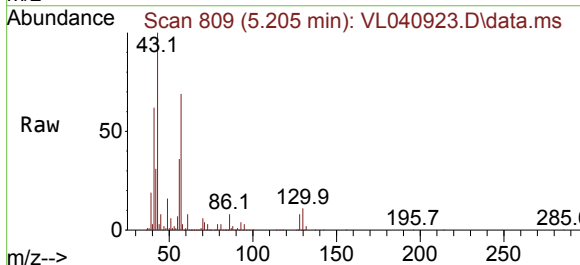
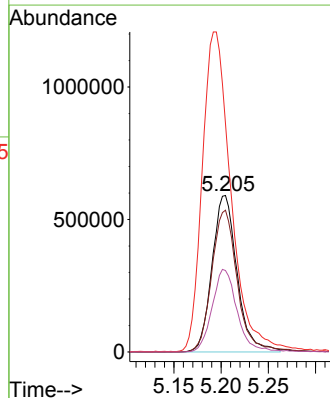
Manual Integrations
APPROVED

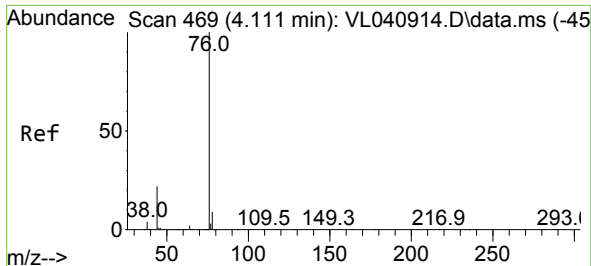
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#26
Hexane
Concen: 9.683 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

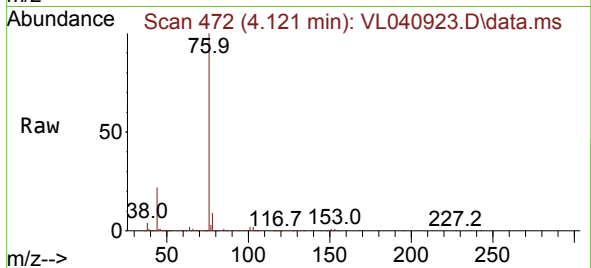
Tgt Ion: 57 Resp: 1084690
Ion Ratio Lower Upper
57 100
41 93.3 75.2 112.8
43 237.4 188.0 282.0
56 53.3 42.3 63.5





#27
Carbon Disulfide
Concen: 9.672 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

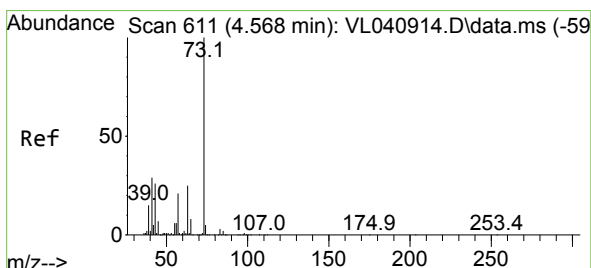
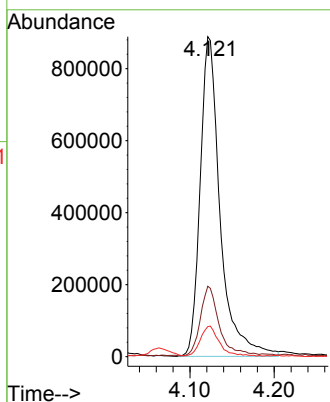
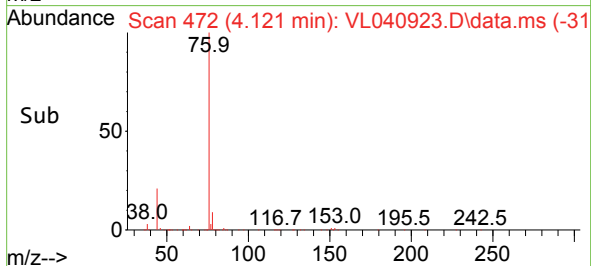
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



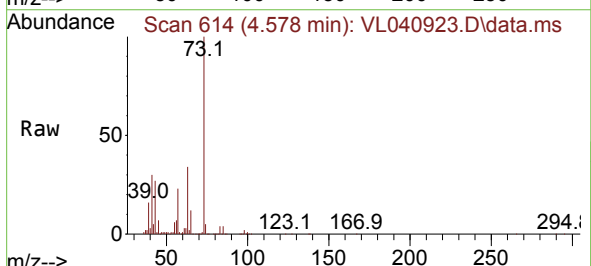
Tgt Ion: 76 Resp: 146644
Ion Ratio Lower Upper
76 100
44 21.6 18.4 27.6
78 9.4 7.9 11.9

Manual Integrations
APPROVED

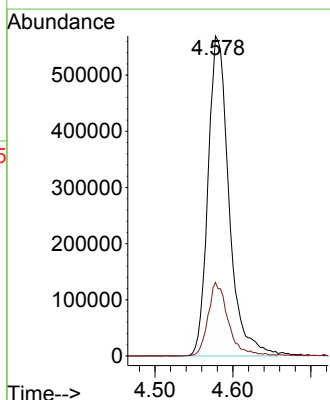
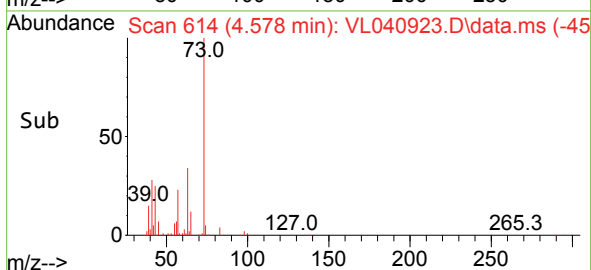
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

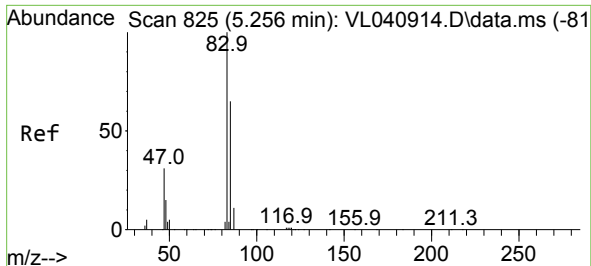


#28
Methyl tert-Butyl Ether
Concen: 10.252 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.010 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion: 73 Resp: 1065689
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0





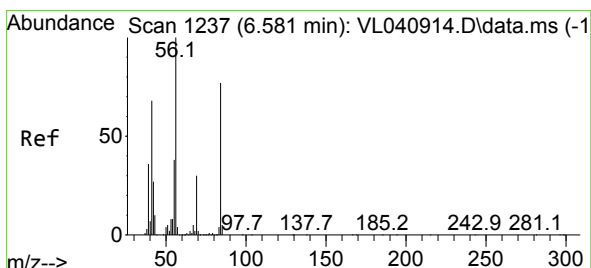
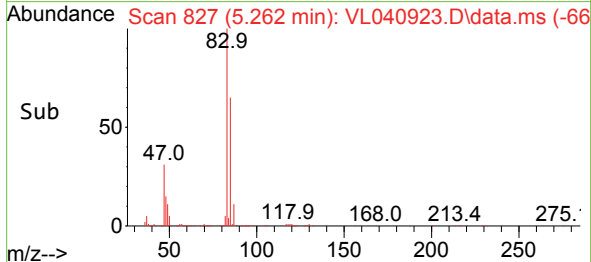
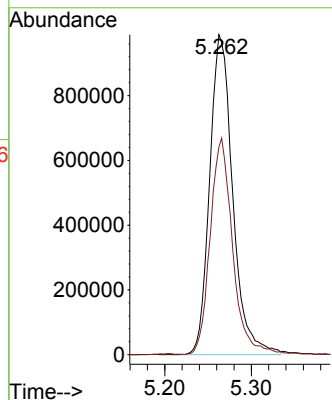
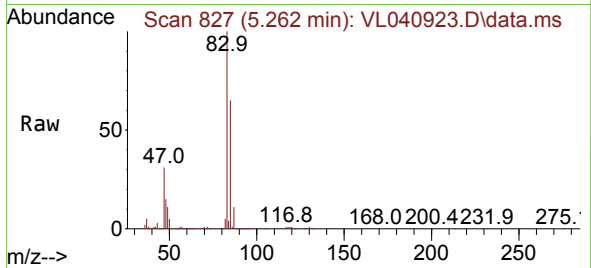
#29
Chloroform
Concen: 9.657 ppbv
RT: 5.262 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 182554
Ion Ratio Lower Upper
83 100
85 64.7 52.3 78.5

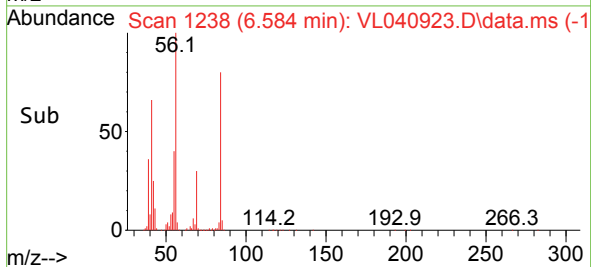
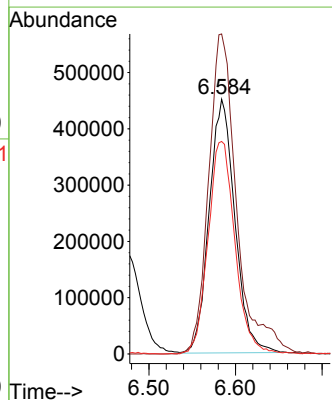
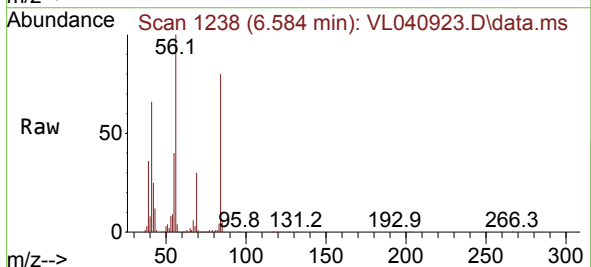
Manual Integrations
APPROVED

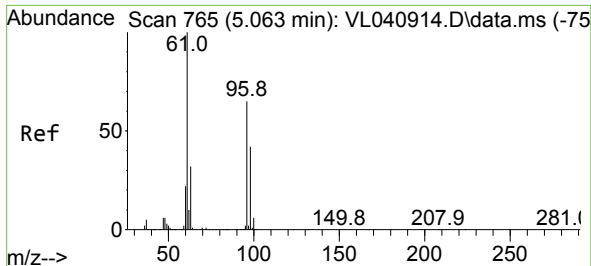
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#30
Cyclohexane
Concen: 9.963 ppbv
RT: 6.584 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

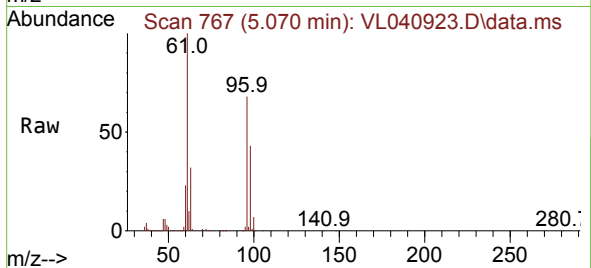
Tgt Ion: 84 Resp: 930506
Ion Ratio Lower Upper
84 100
56 138.3 111.4 167.2
41 88.0 70.0 105.0





#31
cis-1,2-Dichloroethene
Concen: 10.027 ppbv
RT: 5.070 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

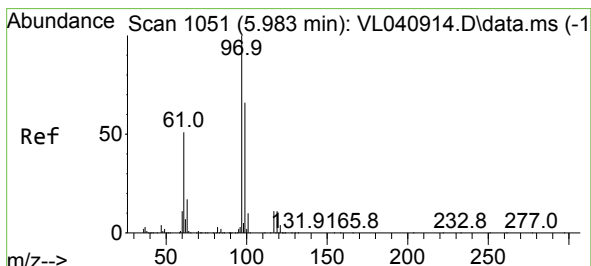
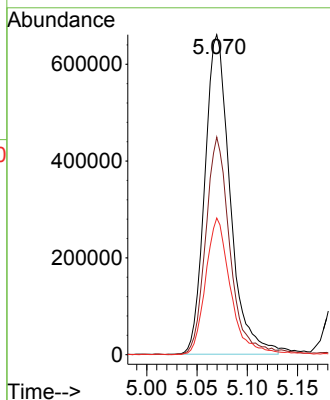
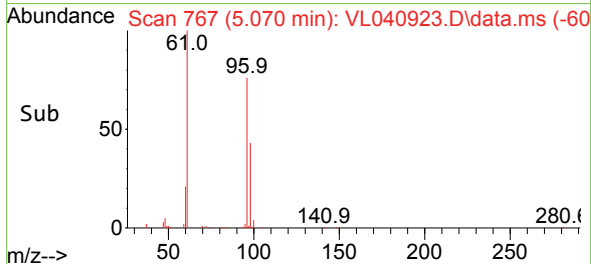
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



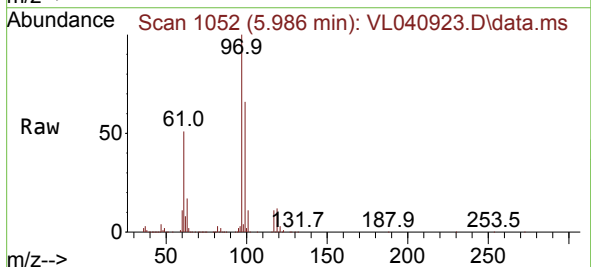
Tgt Ion: 61 Resp: 1153904
Ion Ratio Lower Upper
61 100
96 67.8 51.7 77.5
98 42.7 33.2 49.8

Manual Integrations
APPROVED

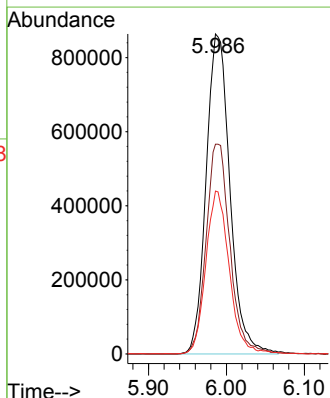
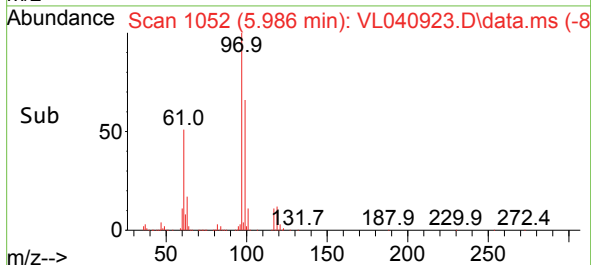
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

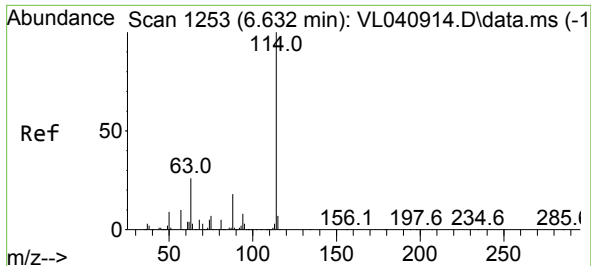


#32
1,1,1-Trichloroethane
Concen: 10.053 ppbv
RT: 5.986 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion: 97 Resp: 1837415
Ion Ratio Lower Upper
97 100
99 65.7 51.8 77.6
61 50.4 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 3070250

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

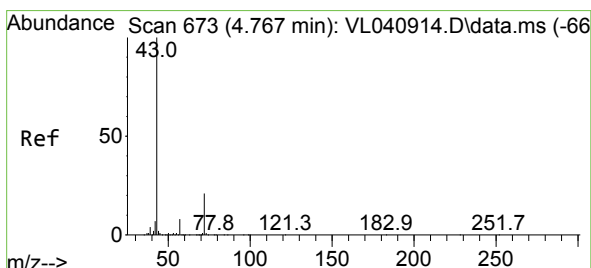
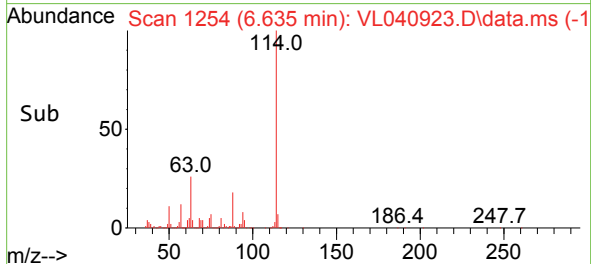
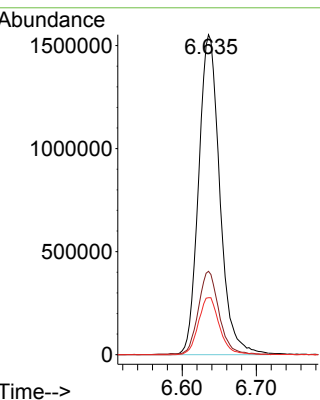
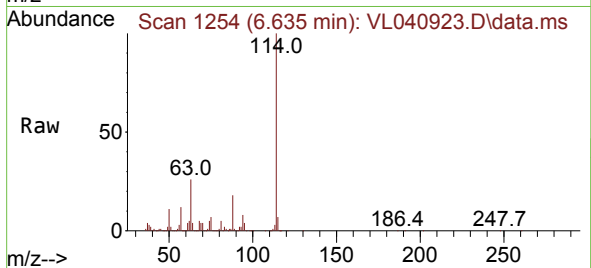
88 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#34

2-Butanone

Concen: 9.779 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.010 min

Lab File: VL040923.D

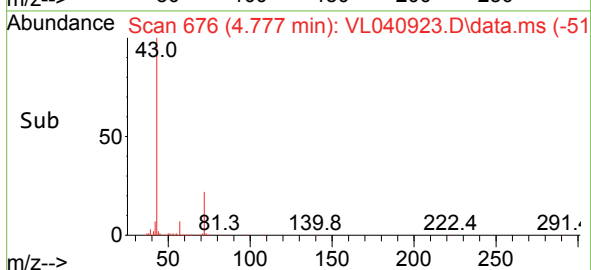
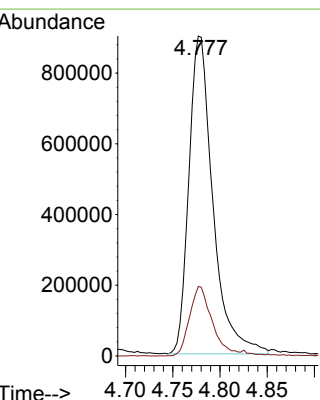
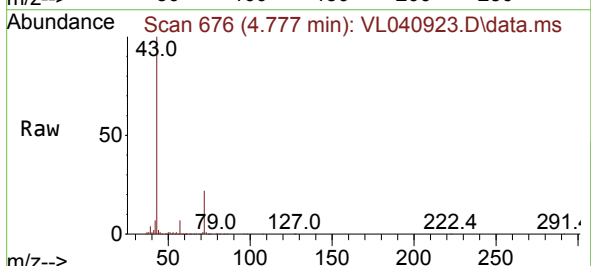
Acq: 21 Dec 2023 9:00

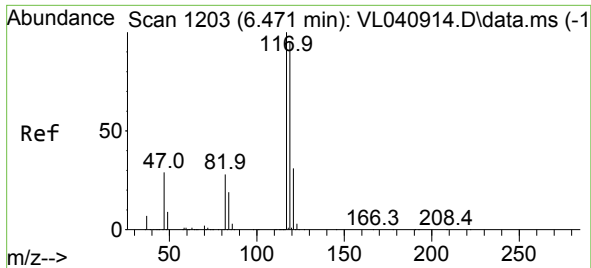
Tgt Ion: 43 Resp: 1588197

Ion Ratio Lower Upper

43 100

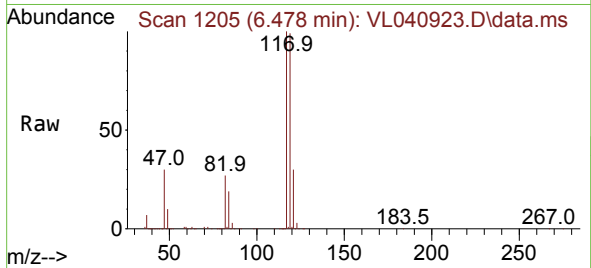
72 21.6 17.2 25.8





#35
Carbon Tetrachloride
Concen: 10.162 ppbv
RT: 6.478 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

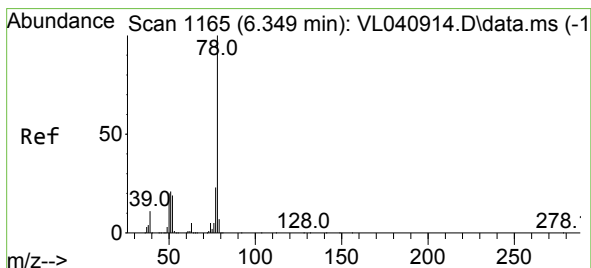
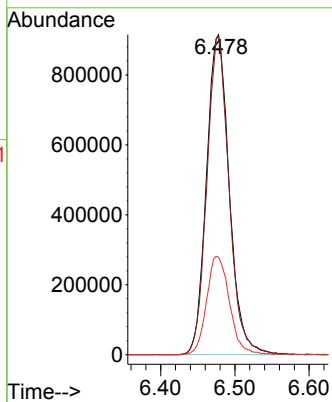
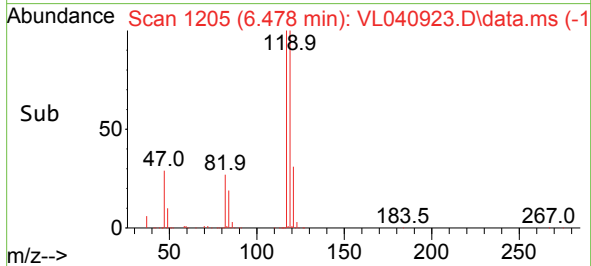
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 1953920
Ion Ratio Lower Upper
117 100
119 99.4 76.3 114.5
121 30.5 24.9 37.3

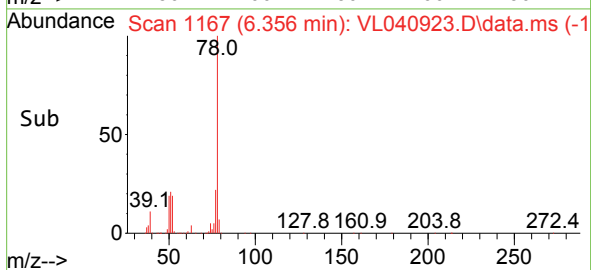
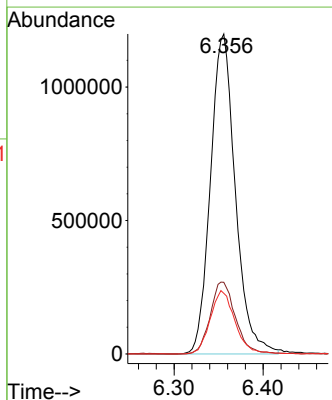
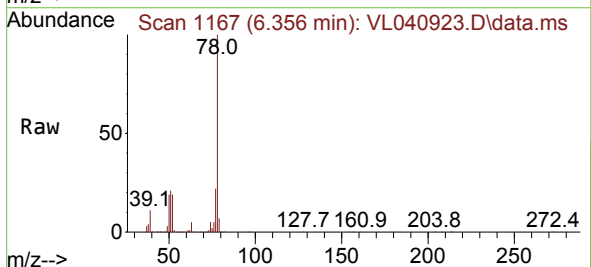
Manual Integrations
APPROVED

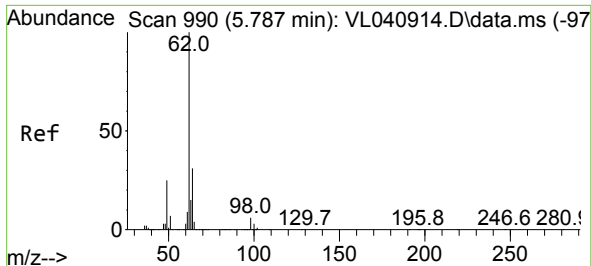
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#36
Benzene
Concen: 9.693 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 78 Resp: 2326347
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6
50 18.9 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.881 ppbv

RT: 5.793 min Scan# 990

Delta R.T. 0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 1421024

Ion Ratio Lower Upper

62 100

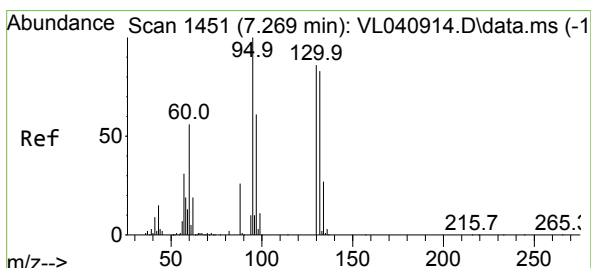
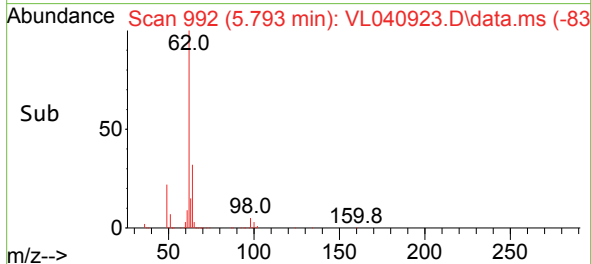
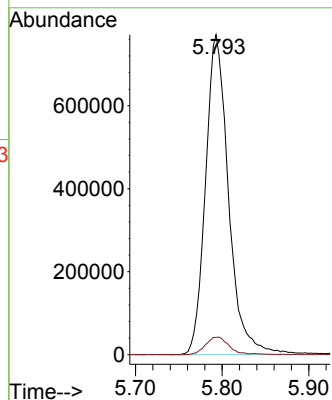
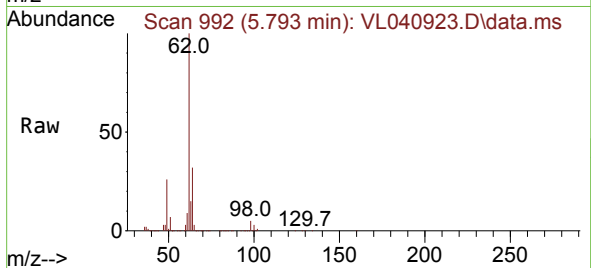
98 5.8 4.6 7.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#38

Trichloroethene

Concen: 9.969 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion:130 Resp: 898653

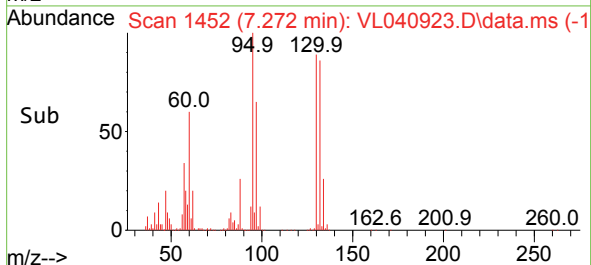
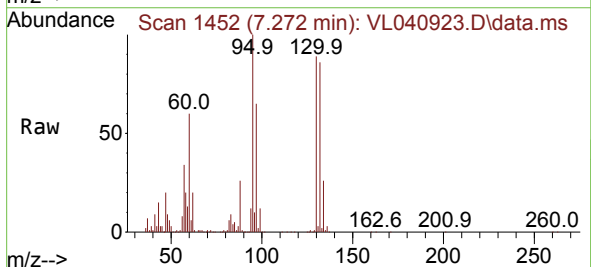
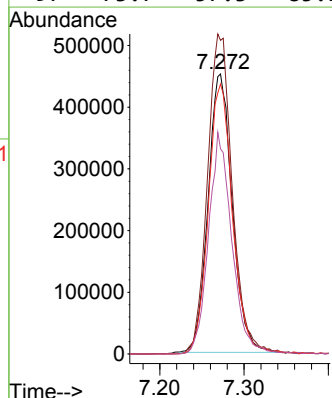
Ion Ratio Lower Upper

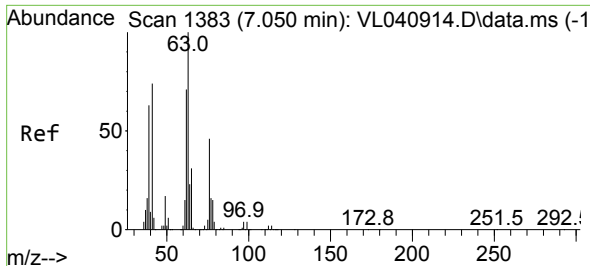
130 100

95 112.6 93.5 140.3

132 96.8 77.4 116.2

97 73.7 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.696 ppbv

RT: 7.053 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040923.D

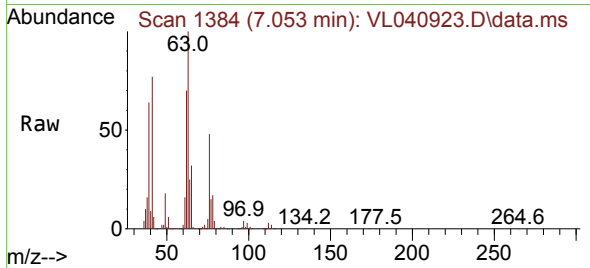
Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 63 Resp: 914470

Ion Ratio Lower Upper

63 100

41 77.2 59.0 88.6

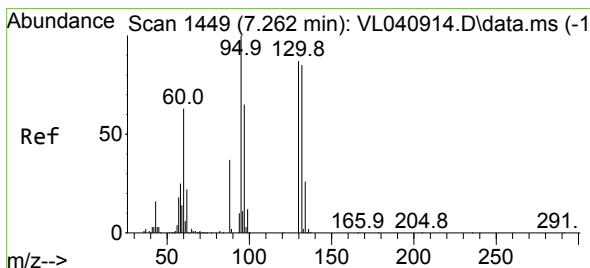
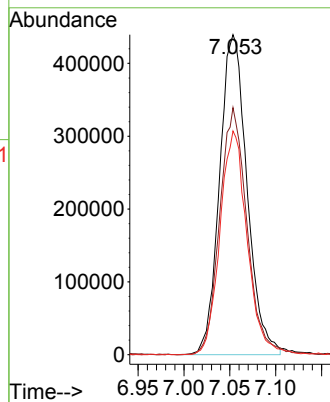
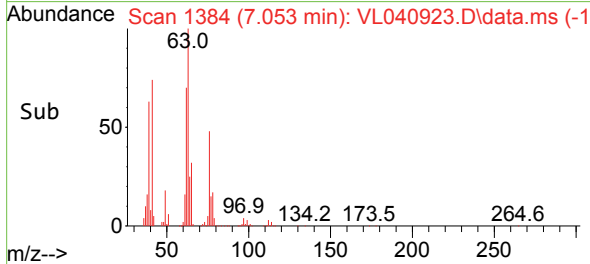
62 69.9 56.6 85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#40

1,4-Dioxane

Concen: 9.352 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion: 88 Resp: 372421

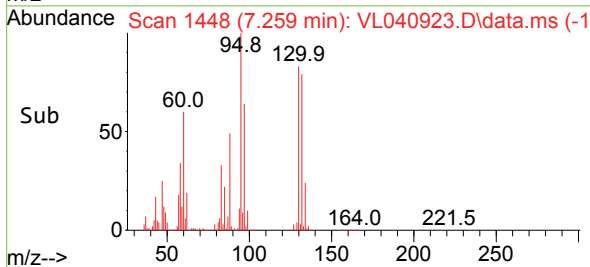
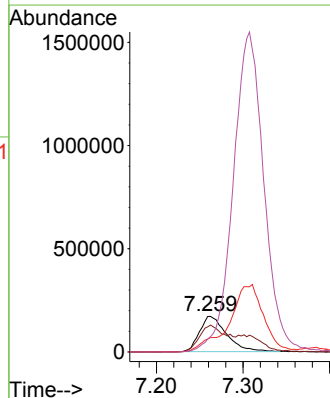
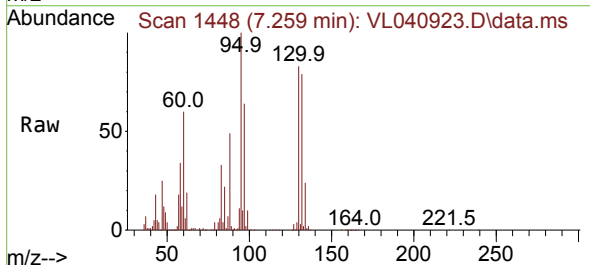
Ion Ratio Lower Upper

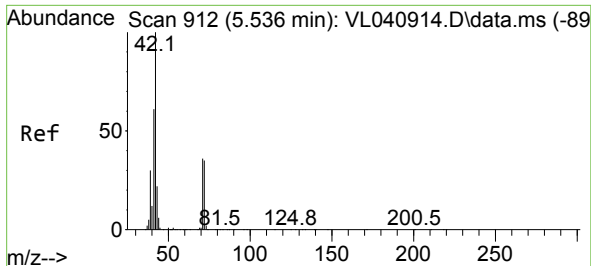
88 100

58 120.5 97.3 145.9

43 244.5 200.6 300.8

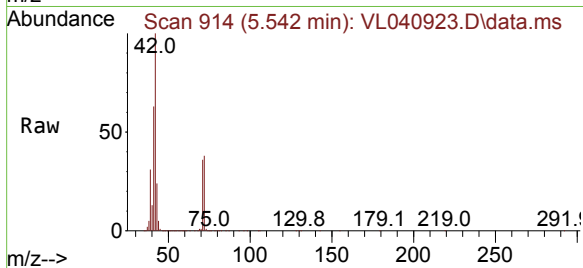
57 1031.0 842.8 1264.2





#41
Tetrahydrofuran
Concen: 9.948 ppbv
RT: 5.542 min Scan# 912
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

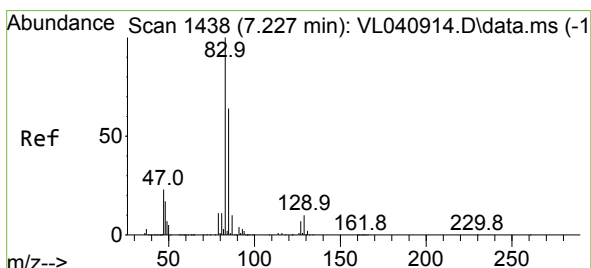
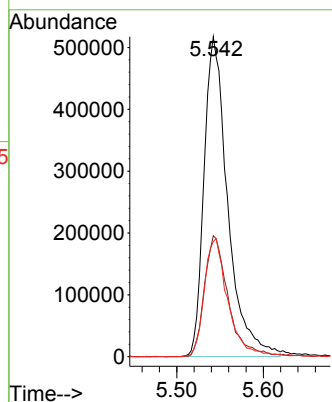
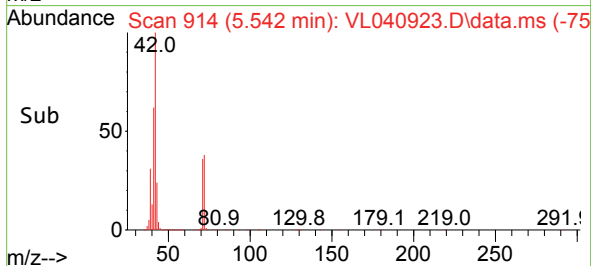
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



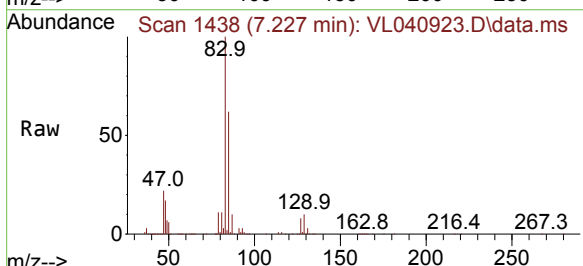
Tgt Ion: 42 Resp: 982964
Ion Ratio Lower Upper
42 100
72 38.3 29.6 44.4
71 37.3 29.1 43.7

Manual Integrations
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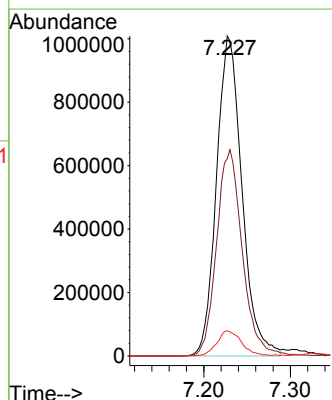
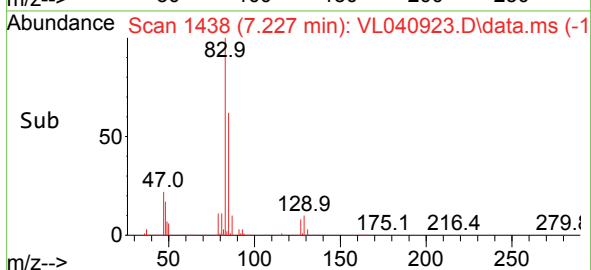
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

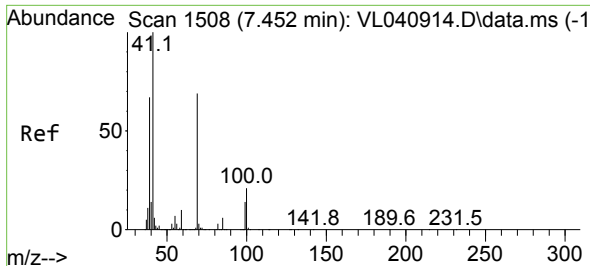


#42
Bromodichloromethane
Concen: 9.943 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



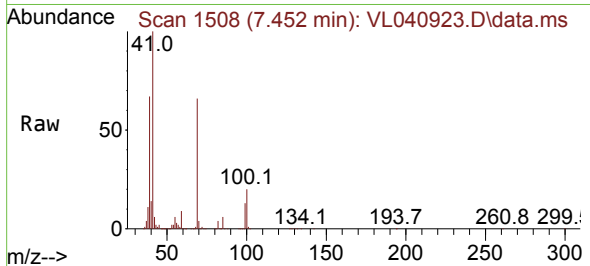
Tgt Ion: 83 Resp: 2062380
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.0
127 7.9 5.9 8.9





#43
Methyl Methacrylate
Concen: 10.296 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

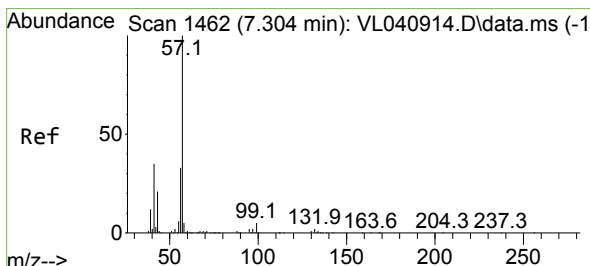
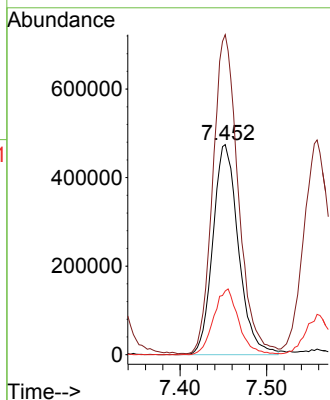
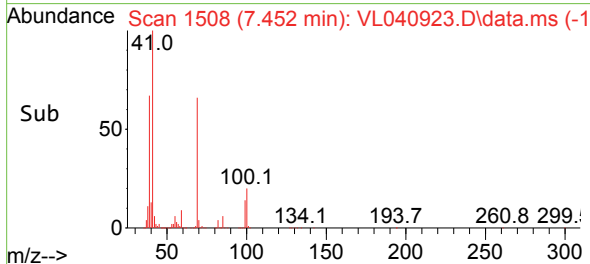
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



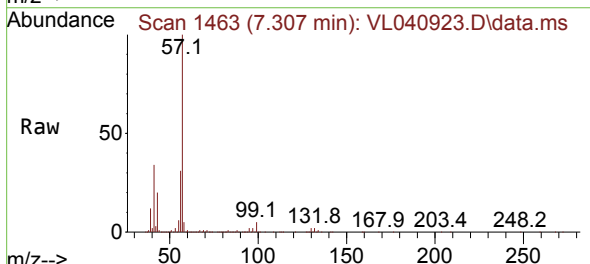
Tgt Ion: 69 Resp: 96928
Ion Ratio Lower Upper
69 100
41 152.4 119.9 179.9
100 30.9 25.1 37.7

Manual Integrations
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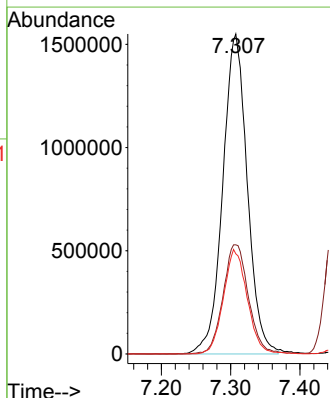
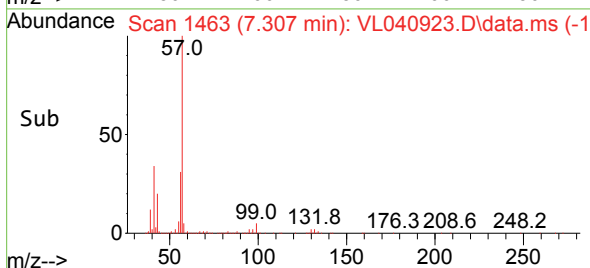
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

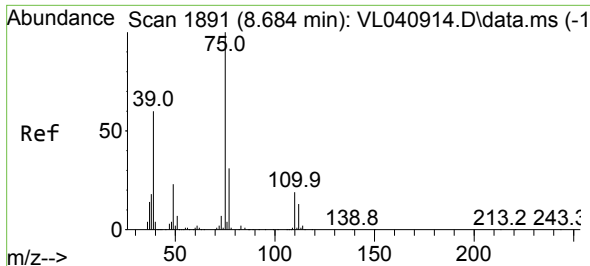


#44
2,2,4-Trimethylpentane
Concen: 9.360 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



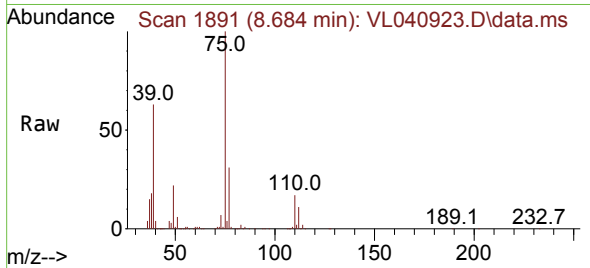
Tgt Ion: 57 Resp: 3815928
Ion Ratio Lower Upper
57 100
41 35.4 28.2 42.4
56 31.8 25.3 37.9





#45
 t-1,3-Dichloropropene
 Concen: 11.420 ppbv
 RT: 8.684 min Scan# 1891
 Delta R.T. 0.000 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

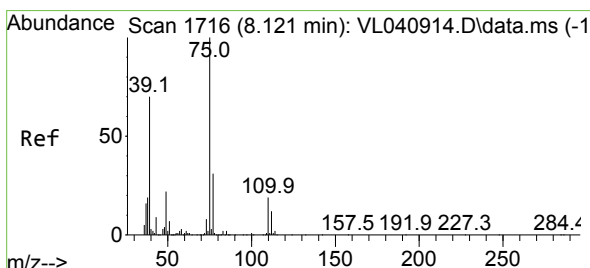
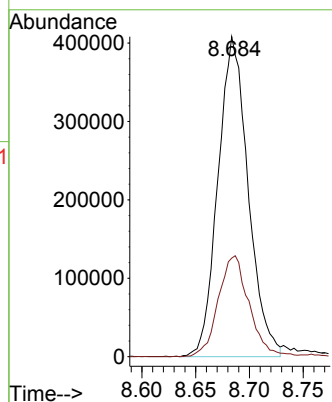
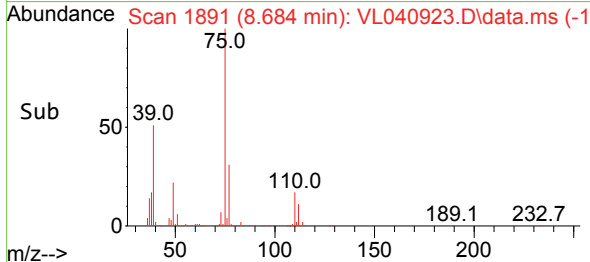
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



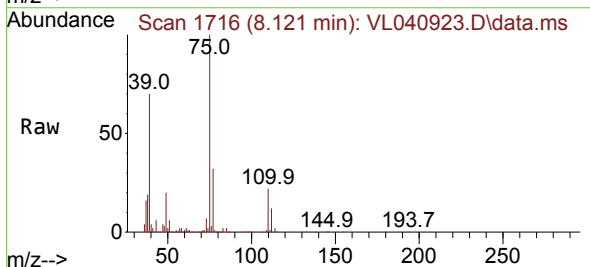
Tgt Ion: 75 Resp: 797614
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2

Manual Integrations
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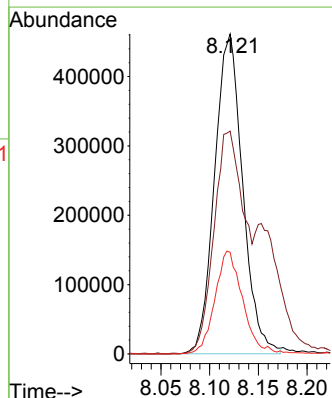
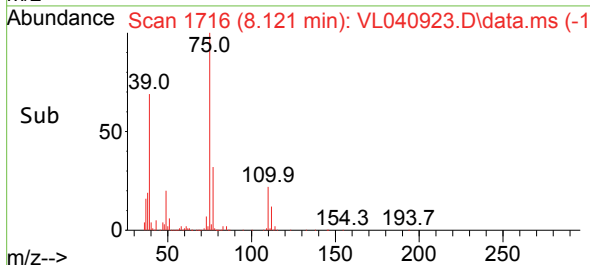
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

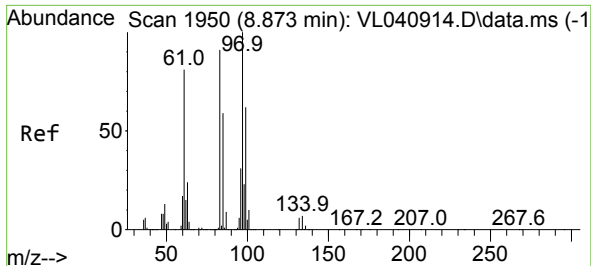


#46
 cis-1,3-Dichloropropene
 Concen: 10.677 ppbv
 RT: 8.121 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



Tgt Ion: 75 Resp: 923295
 Ion Ratio Lower Upper
 75 100
 39 69.6 56.2 84.4
 77 31.8 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.731 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040923.D

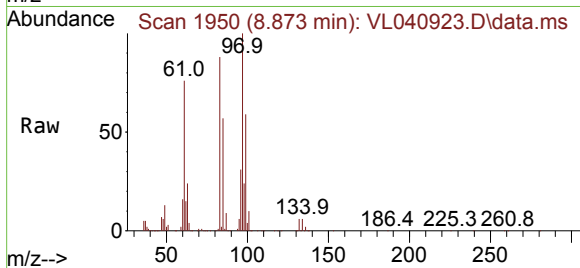
Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 973574

Ion Ratio Lower Upper

97 100

83 87.6 72.6 108.8

85 56.8 47.4 71.0

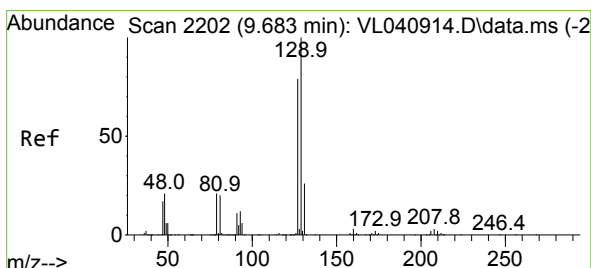
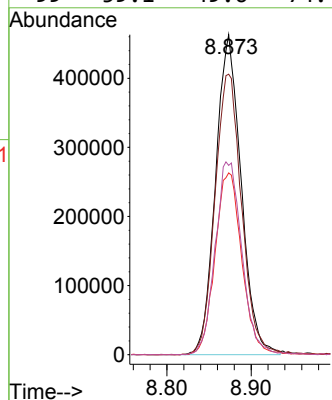
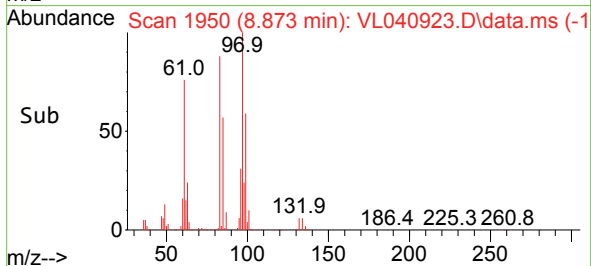
99 59.1 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#48

Dibromochloromethane

Concen: 10.304 ppbv

RT: 9.680 min Scan# 2201

Delta R.T. -0.003 min

Lab File: VL040923.D

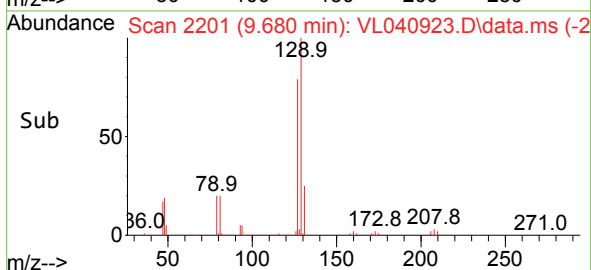
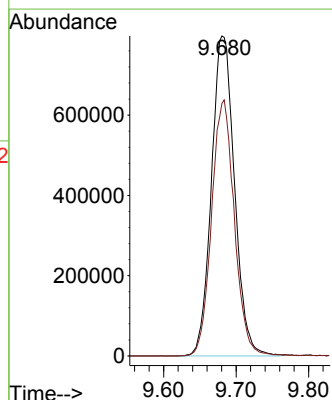
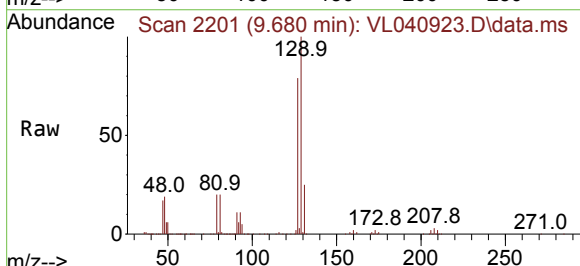
Acq: 21 Dec 2023 9:00

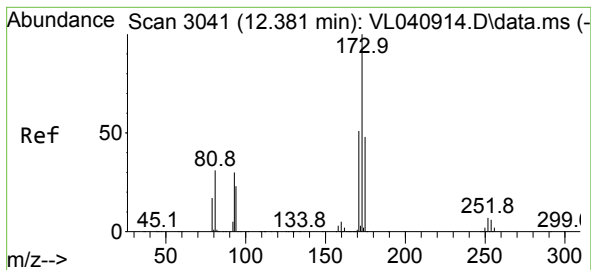
Tgt Ion:129 Resp: 1759798

Ion Ratio Lower Upper

129 100

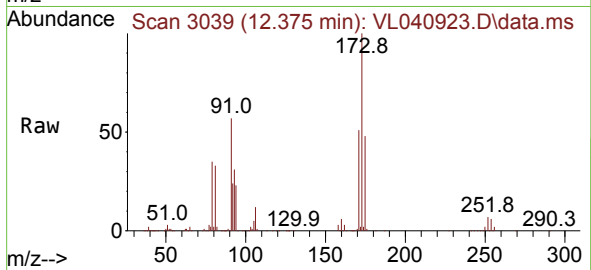
127 79.2 39.6 119.0





#49
Bromoform
Concen: 10.589 ppbv
RT: 12.375 min Scan# 3041
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

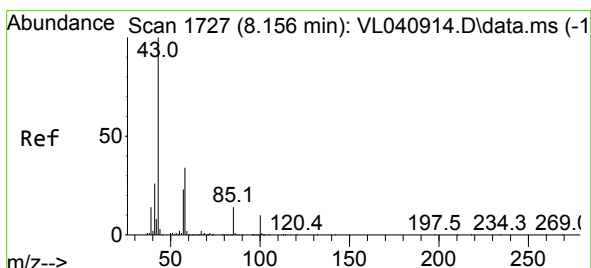
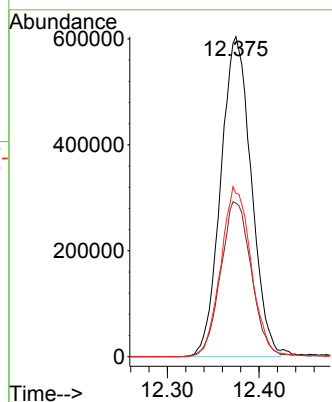
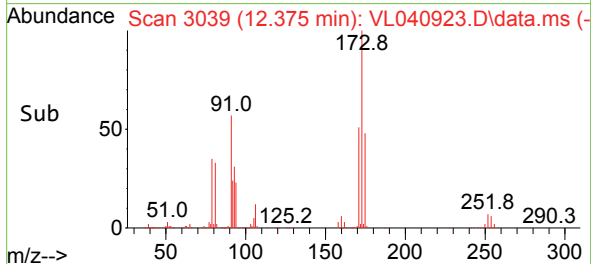
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 173 Resp: 139535
Ion Ratio Lower Upper
173 100
175 49.2 39.3 58.9
171 53.5 41.8 62.6

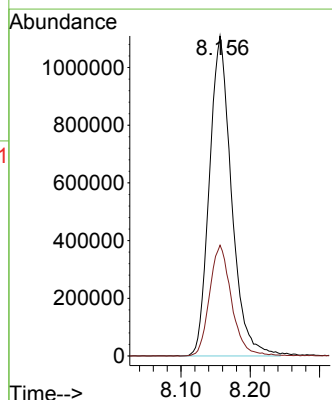
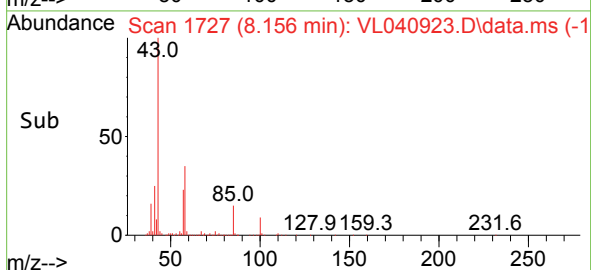
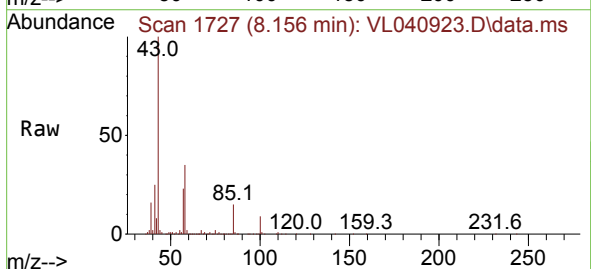
Manual Integrations
APPROVED

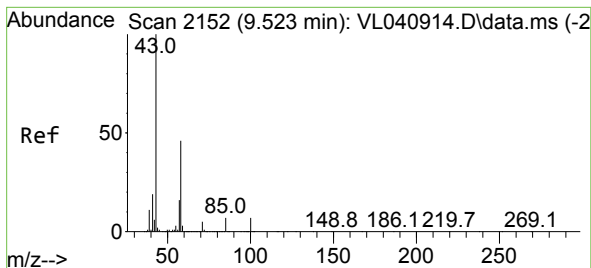
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#50
4-Methyl-2-Pentanone
Concen: 10.002 ppbv
RT: 8.156 min Scan# 1727
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

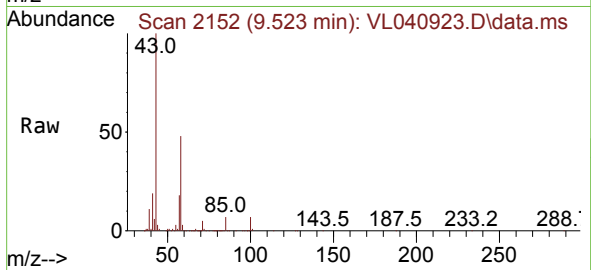
Tgt Ion: 43 Resp: 2460300
Ion Ratio Lower Upper
43 100
58 34.5 27.4 41.0





#51
2-Hexanone
Concen: 10.341 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

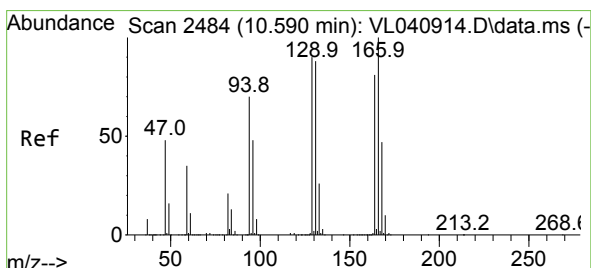
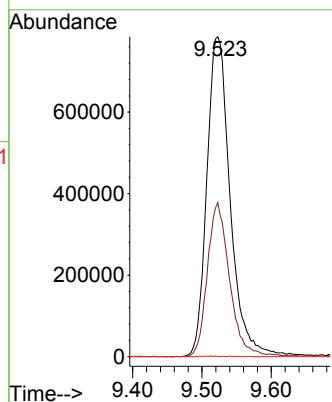
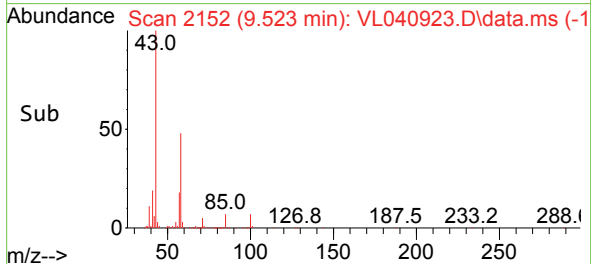
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



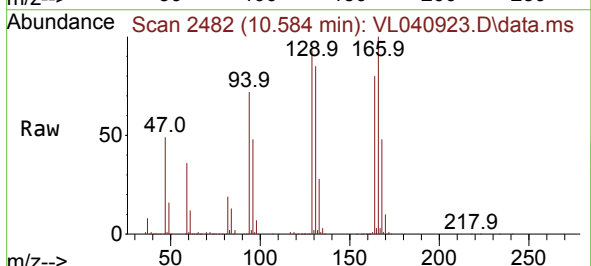
Tgt Ion: 43 Resp: 183076
Ion Ratio Lower Upper
43 100
58 46.4 37.3 55.9
98 0.2 0.2 0.2

Manual Integrations
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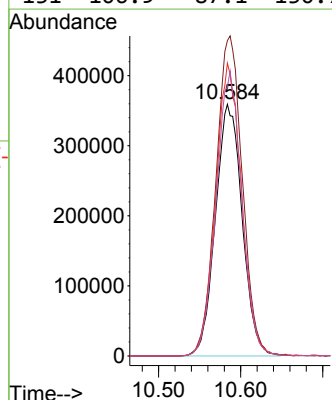
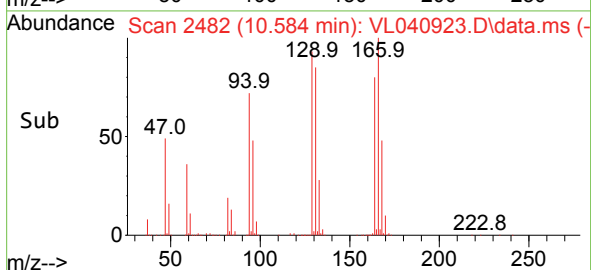
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

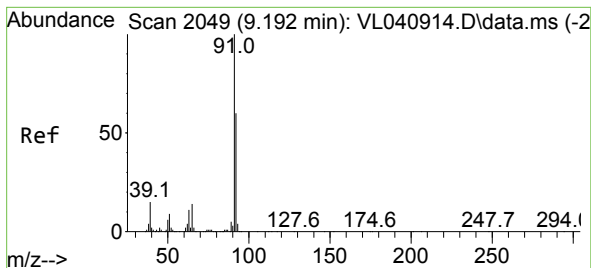


#52
Tetrachloroethene
Concen: 10.042 ppbv
RT: 10.584 min Scan# 2482
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion:164 Resp: 811920
Ion Ratio Lower Upper
164 100
166 125.3 98.9 148.3
129 116.3 88.7 133.1
131 106.9 87.1 130.7





#53

Toluene

Concen: 10.103 ppbv

RT: 9.192 min Scan# 2049

Delta R.T. 0.000 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 268887

Ion Ratio Lower Upper

91 100

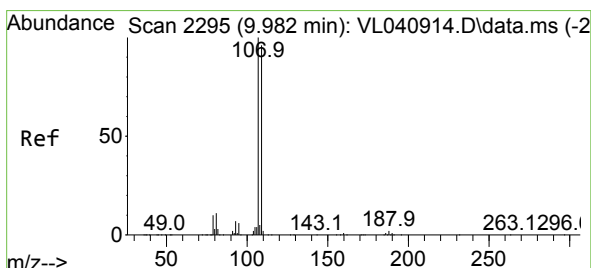
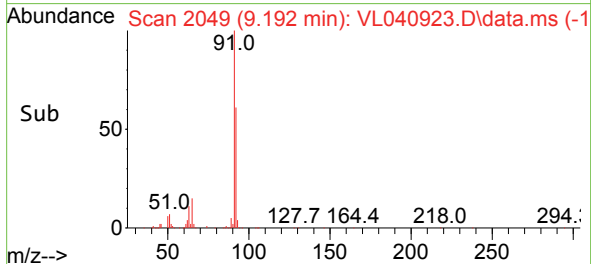
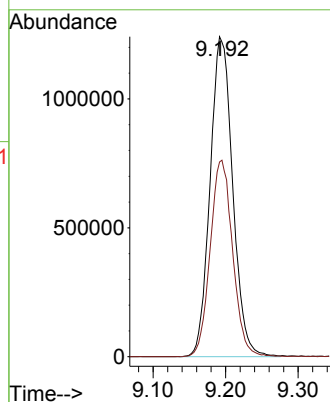
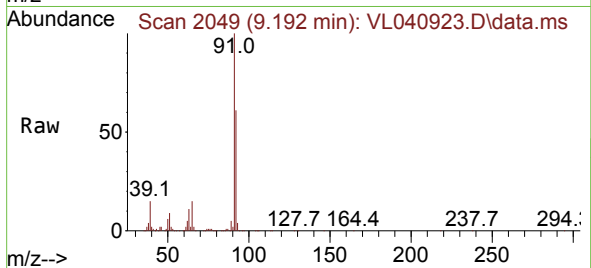
92 61.1 49.2 73.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#54

1,2-Dibromoethane

Concen: 10.532 ppbv

RT: 9.979 min Scan# 2294

Delta R.T. -0.003 min

Lab File: VL040923.D

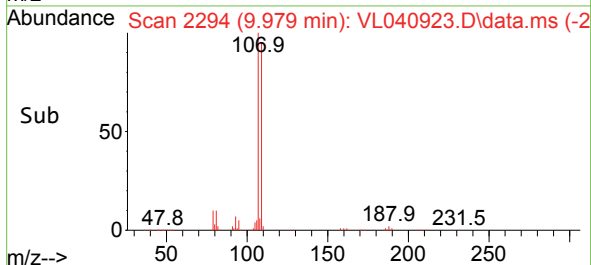
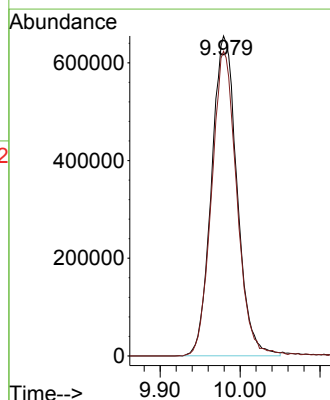
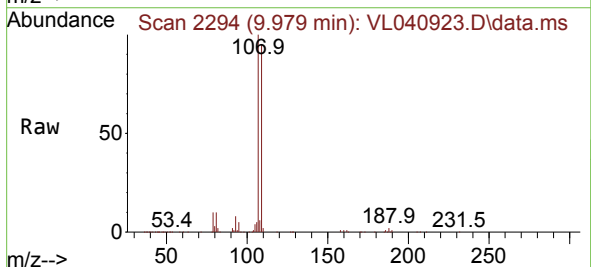
Acq: 21 Dec 2023 9:00

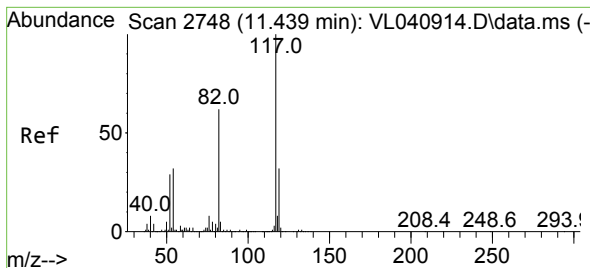
Tgt Ion:107 Resp: 1446004

Ion Ratio Lower Upper

107 100

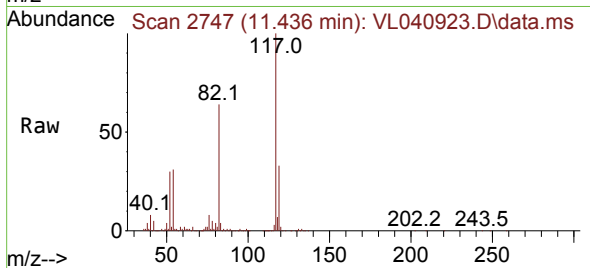
109 95.1 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

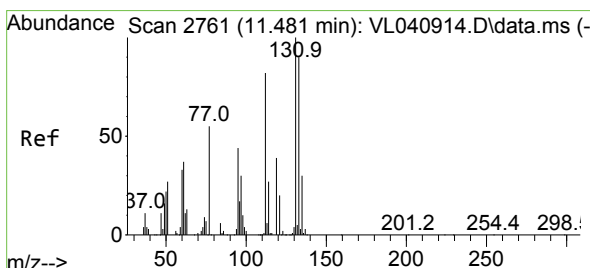
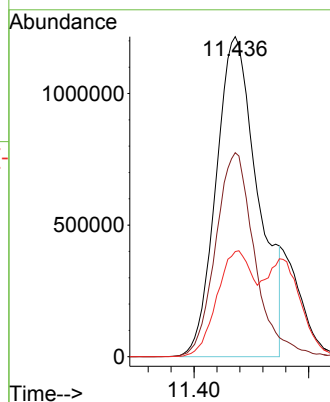
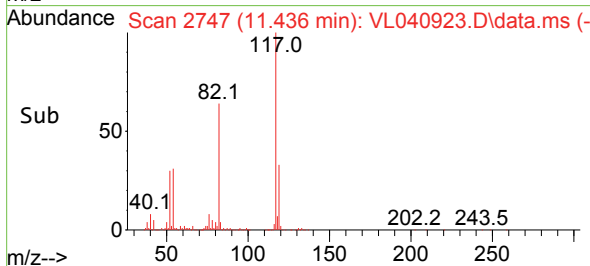
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



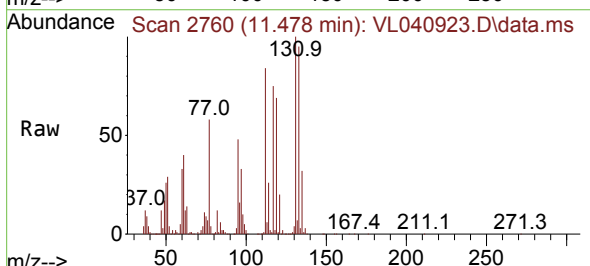
Tgt Ion:117 Resp: 308603
Ion Ratio Lower Upper
117 100
82 59.9 49.6 74.4
119 28.4 23.4 35.0

Manual Integrations
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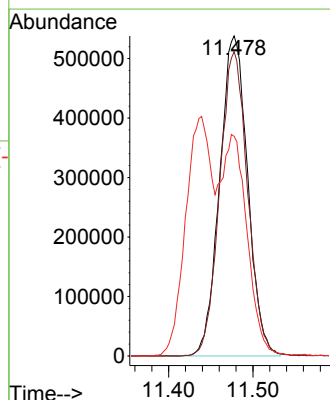
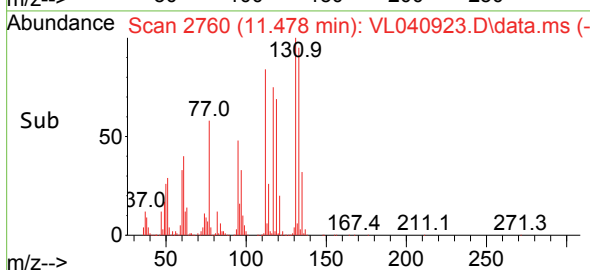
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

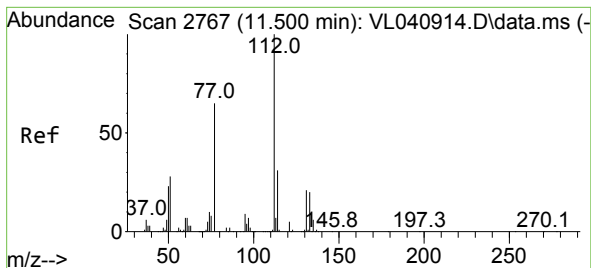


#56
1,1,1,2-Tetrachloroethane
Concen: 9.197 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



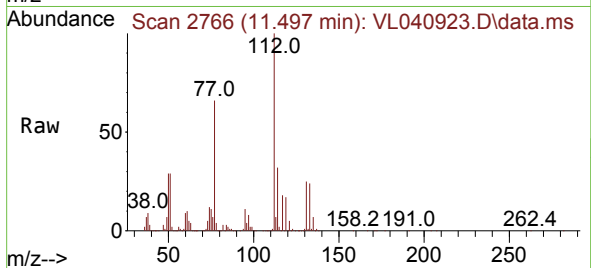
Tgt Ion:131 Resp: 1241097
Ion Ratio Lower Upper
131 100
133 95.1 76.3 114.5
119 57.4 48.6 73.0





#57
Chlorobenzene
Concen: 9.097 ppbv
RT: 11.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

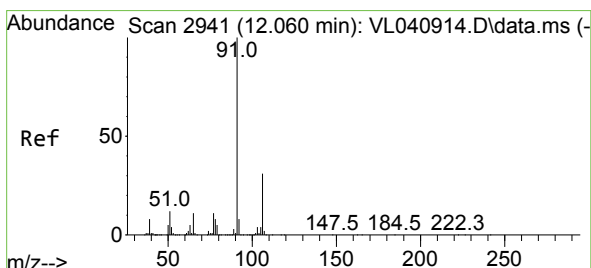
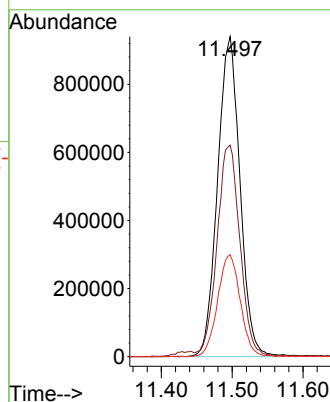
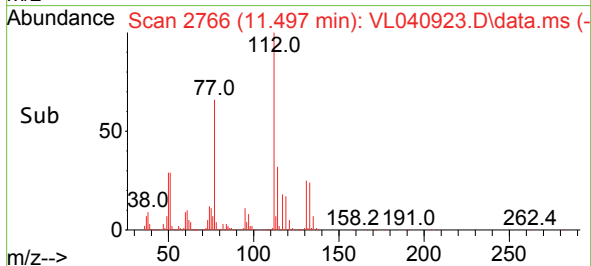
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



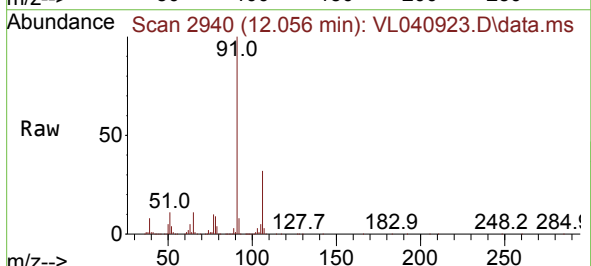
Tgt Ion:112 Resp: 2067448
Ion Ratio Lower Upper
112 100
77 65.7 52.7 79.1
114 31.8 28.4 34.7

Manual Integrations
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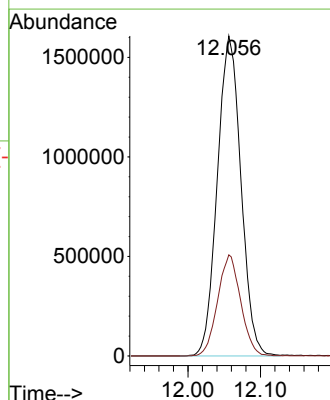
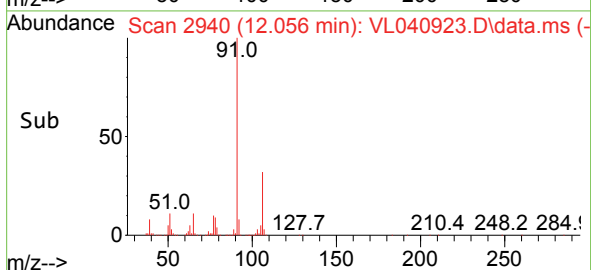
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

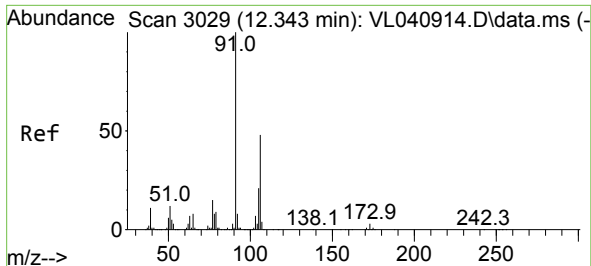


#58
Ethyl Benzene
Concen: 9.166 ppbv
RT: 12.056 min Scan# 2940
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion: 91 Resp: 3633101
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





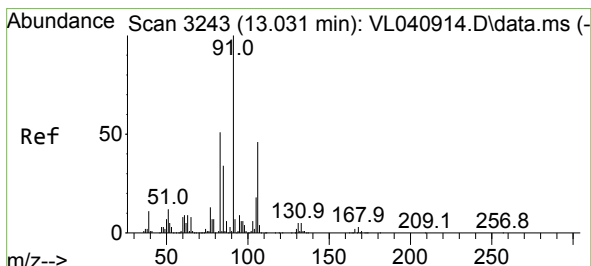
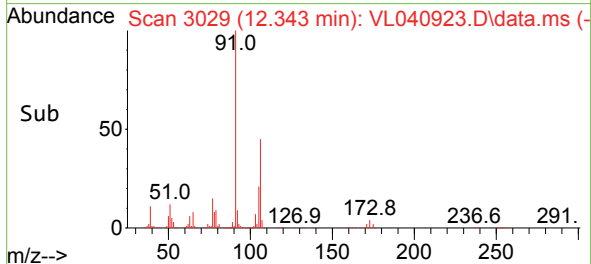
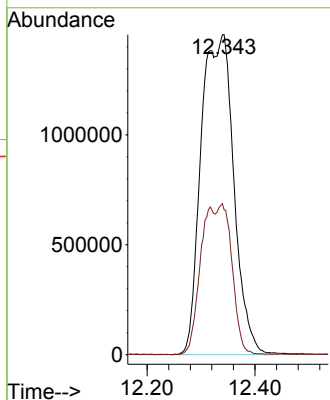
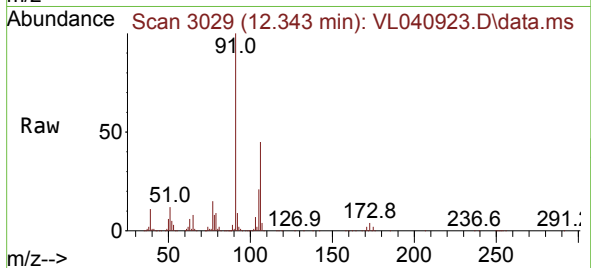
#59
m/p-Xylene
Concen: 18.110 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 6105892
Ion Ratio Lower Upper
91 100
106 44.4 0.0 0.0

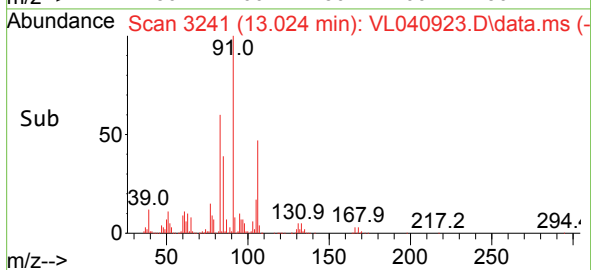
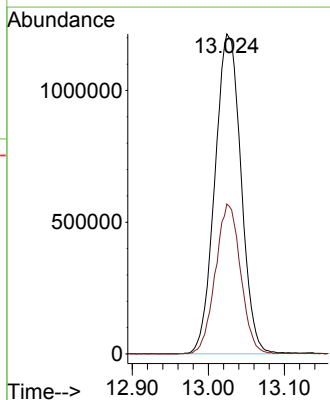
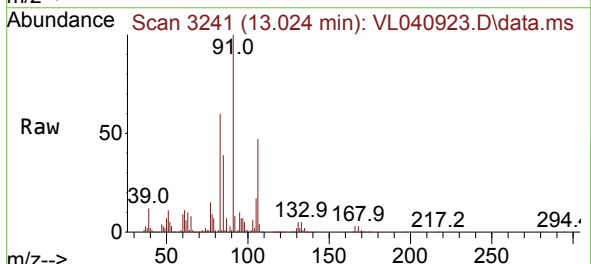
Manual Integrations
APPROVED

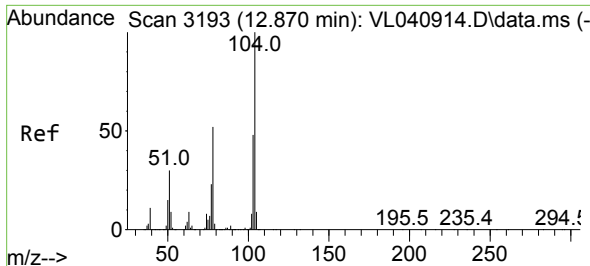
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#60
o-Xylene
Concen: 9.119 ppbv
RT: 13.024 min Scan# 3241
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

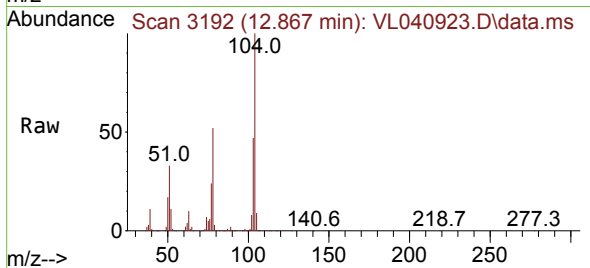
Tgt Ion: 91 Resp: 2896824
Ion Ratio Lower Upper
91 100
106 45.4 22.6 67.7





#61
Styrene
Concen: 10.245 ppbv
RT: 12.867 min Scan# 3193
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

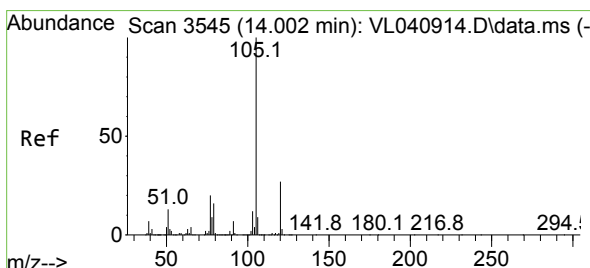
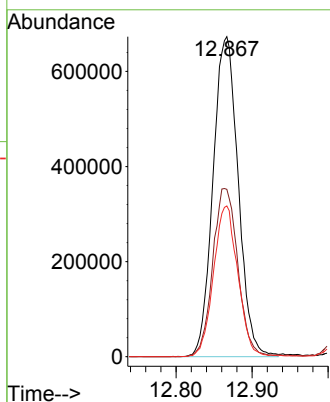
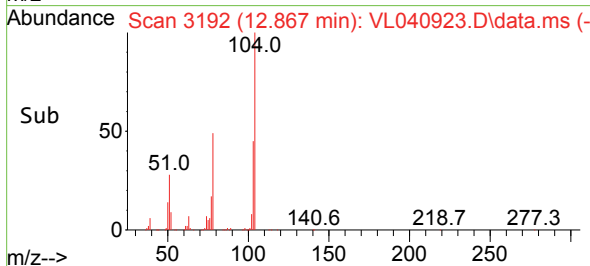
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



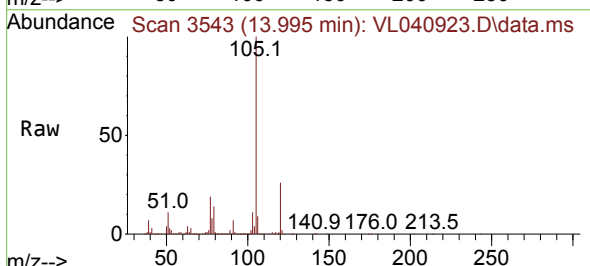
Tgt Ion:104 Resp: 154715
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.4
103 45.9 37.6 56.4

Manual Integrations
APPROVED

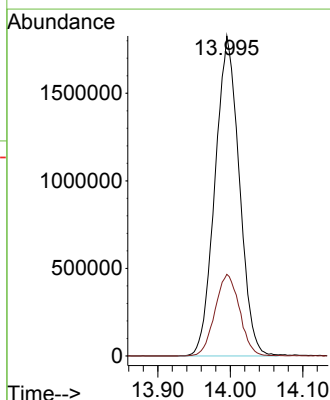
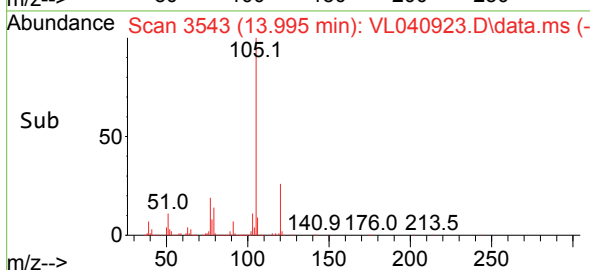
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

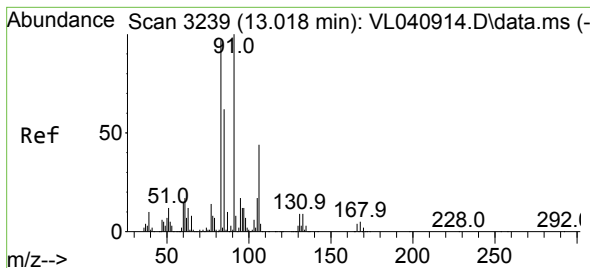


#62
Isopropylbenzene
Concen: 9.021 ppbv
RT: 13.995 min Scan# 3543
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



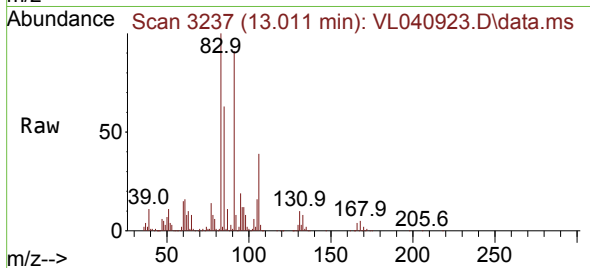
Tgt Ion:105 Resp: 4249639
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.273 ppbv
RT: 13.011 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

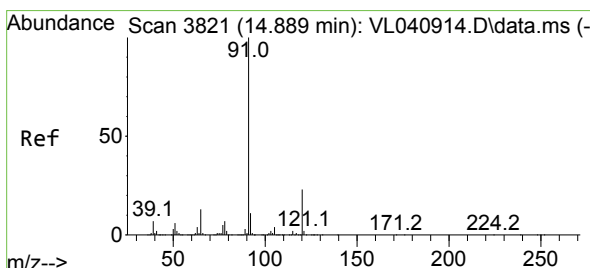
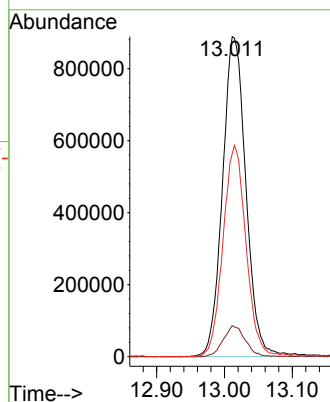
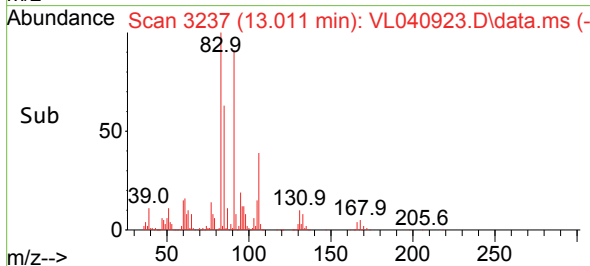
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



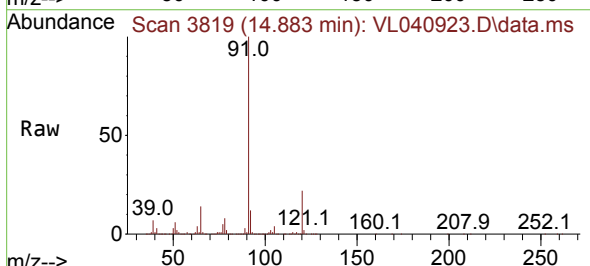
Tgt Ion: 83 Resp: 2122090
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 66.0 32.6 98.0

Manual Integrations
APPROVED

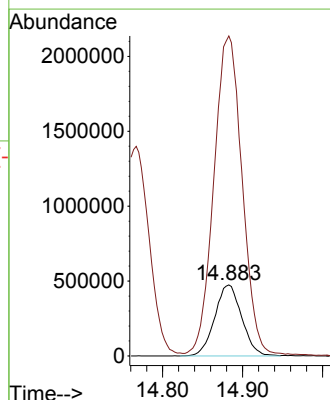
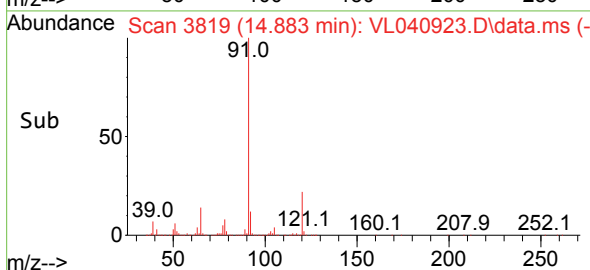
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

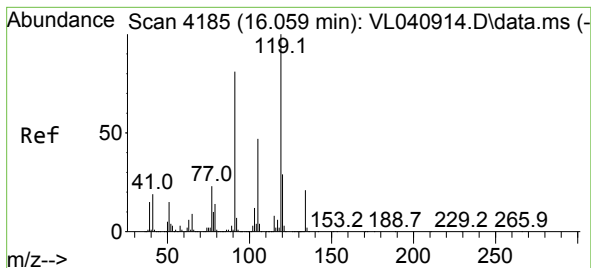


#64
n-propylbenzene
Concen: 9.399 ppbv
RT: 14.883 min Scan# 3819
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



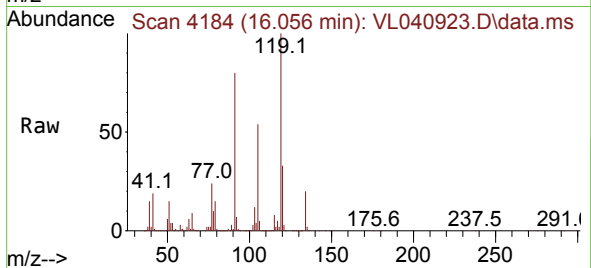
Tgt Ion:120 Resp: 1110658
Ion Ratio Lower Upper
120 100
91 475.1 381.9 572.9





#65
tert-Butylbenzene
Concen: 9.295 ppbv
RT: 16.056 min Scan# 4185
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

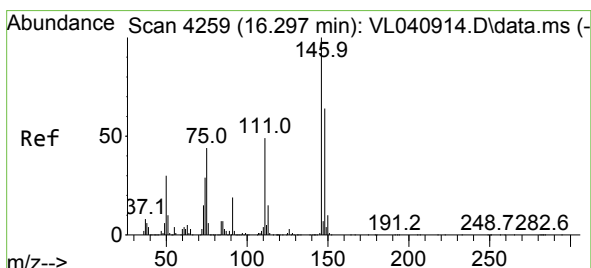
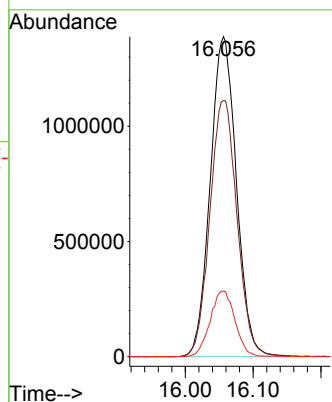
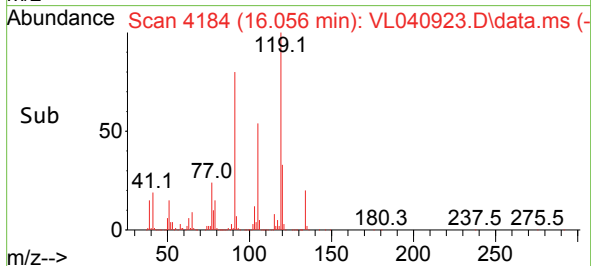
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



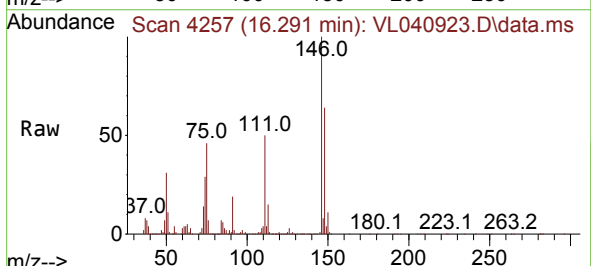
Tgt Ion:119 Resp: 372216
Ion Ratio Lower Upper
119 100
91 83.3 67.2 100.8
134 19.6 15.8 23.6

Manual Integrations
APPROVED

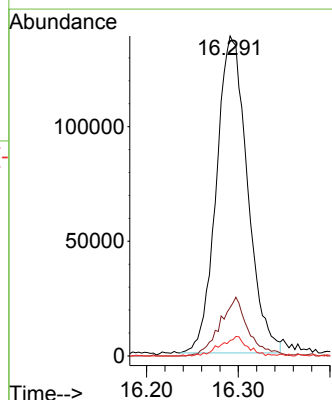
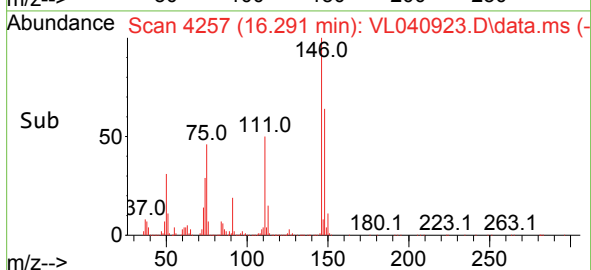
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

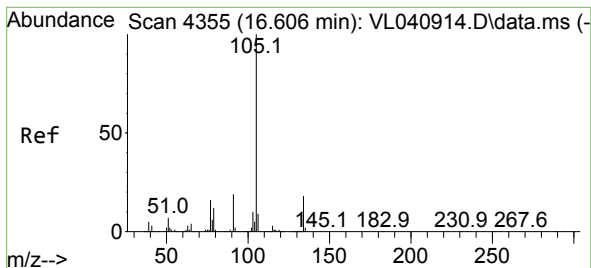


#66
Benzyl Chloride
Concen: 11.874 ppbv
RT: 16.291 min Scan# 4257
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



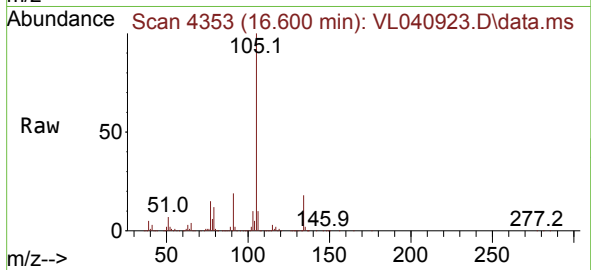
Tgt Ion: 91 Resp: 325374
Ion Ratio Lower Upper
91 100
126 16.9 14.1 21.1
128 5.5 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 9.025 ppbv
 RT: 16.600 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

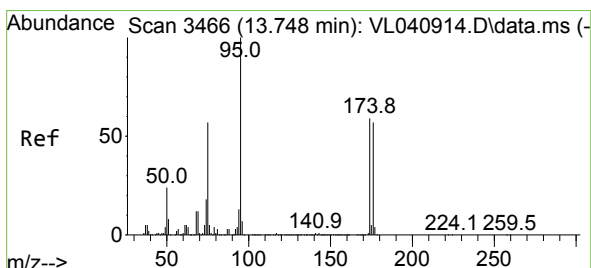
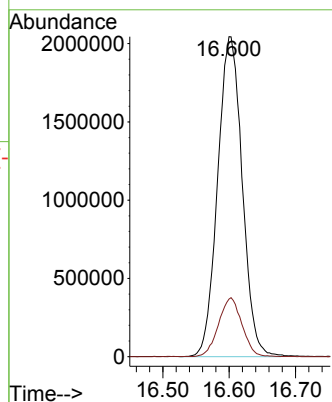
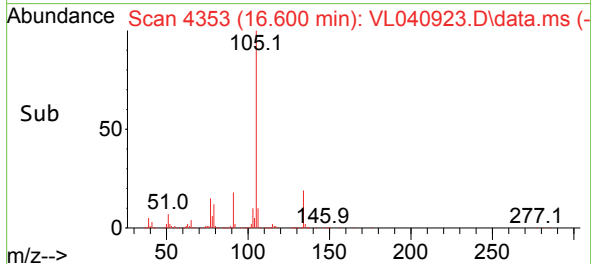
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



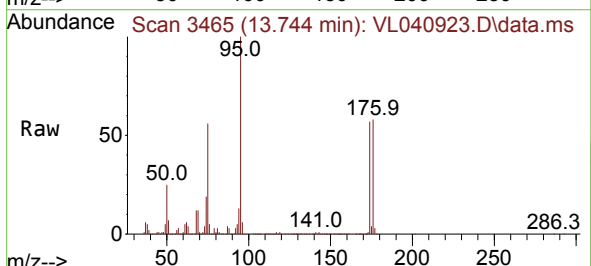
Tgt Ion:105 Resp: 525186
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6

Manual Integrations
 APPROVED

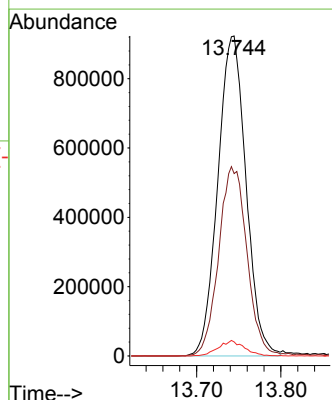
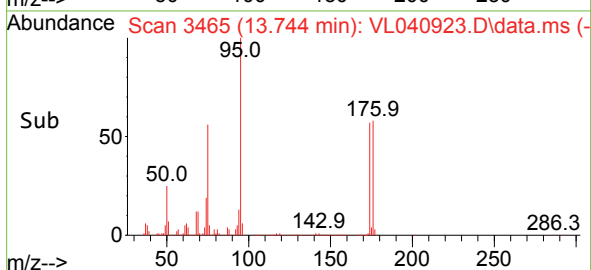
Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

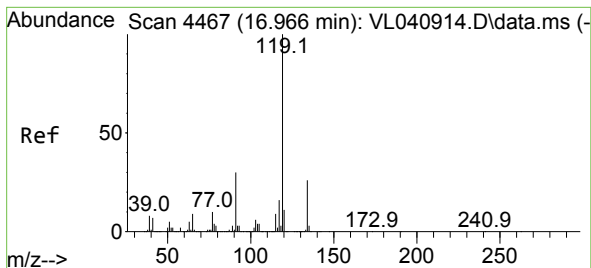


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.433 ppbv
 RT: 13.744 min Scan# 3465
 Delta R.T. -0.003 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



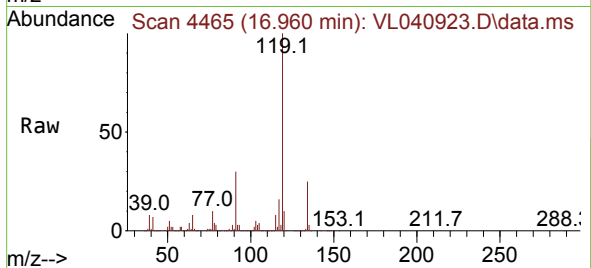
Tgt Ion: 95 Resp: 2144289
 Ion Ratio Lower Upper
 95 100
 174 60.2 48.0 72.0
 175 4.4 3.7 5.5





#69
p-Isopropyltoluene
Concen: 9.442 ppbv
RT: 16.960 min Scan# 4467
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

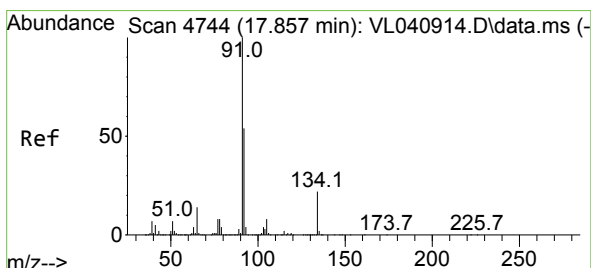
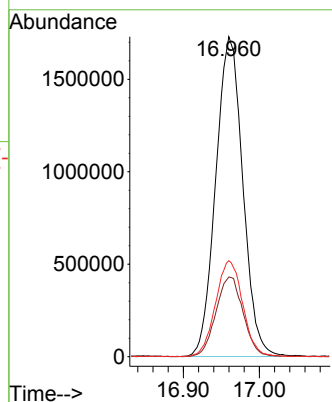
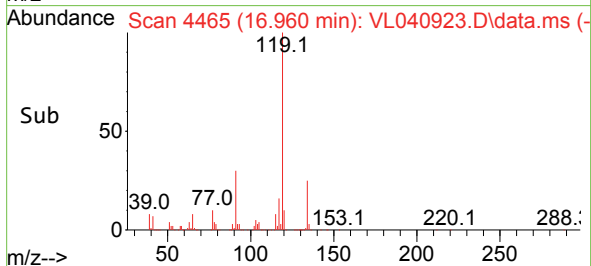
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



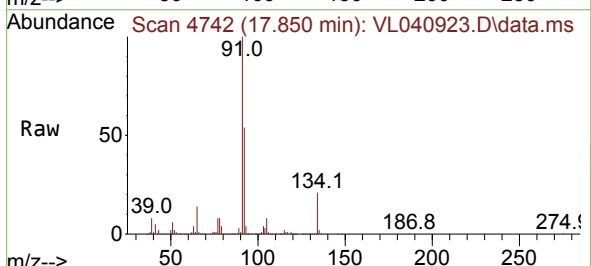
Tgt Ion: 119 Resp: 4270990
Ion Ratio Lower Upper
119 100
134 25.2 20.3 30.5
91 30.2 24.1 36.1

Manual Integrations
APPROVED

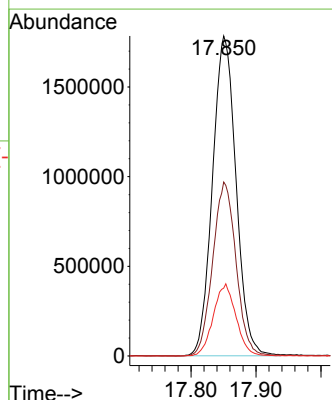
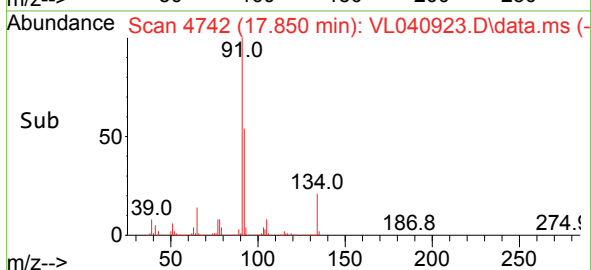
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

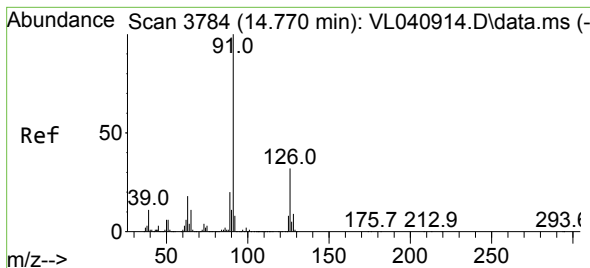


#70
n-Butylbenzene
Concen: 9.570 ppbv
RT: 17.850 min Scan# 4742
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion: 91 Resp: 4494140
Ion Ratio Lower Upper
91 100
92 54.1 43.4 65.0
134 21.7 17.6 26.4





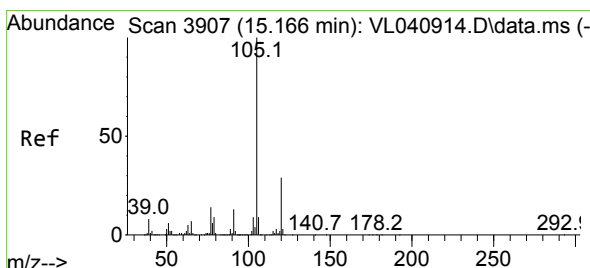
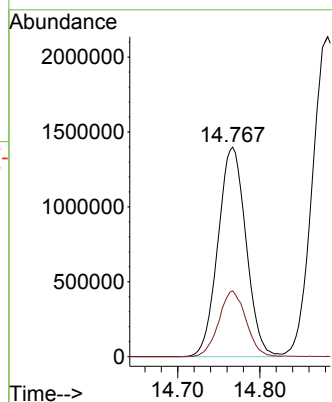
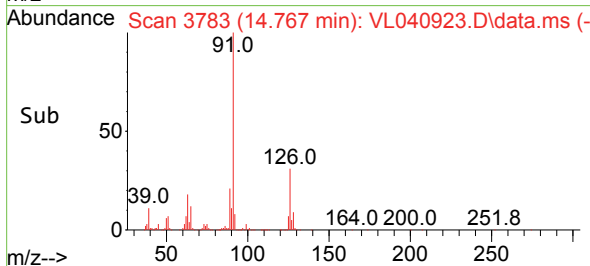
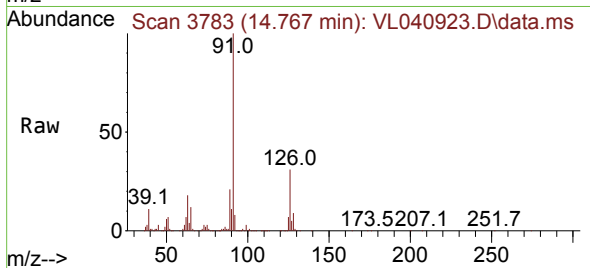
#71
2-Chlorotoluene
Concen: 9.163 ppbv
RT: 14.767 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 332426
Ion Ratio Lower Upper
91 100
126 30.7 12.4 49.6

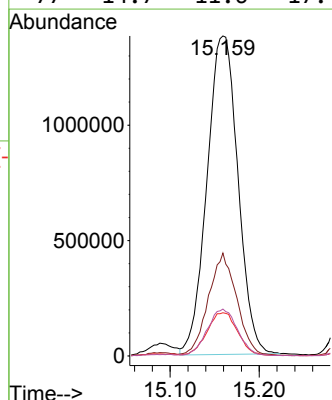
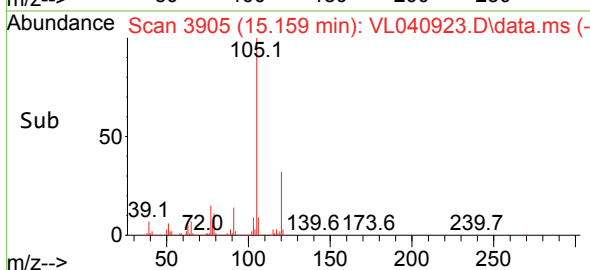
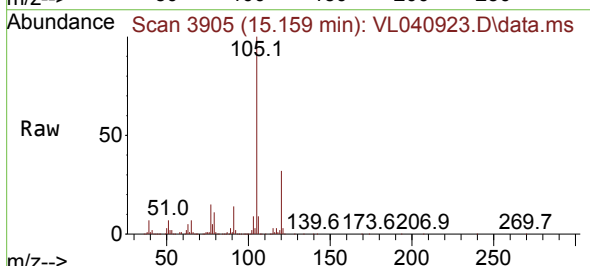
Manual Integrations
APPROVED

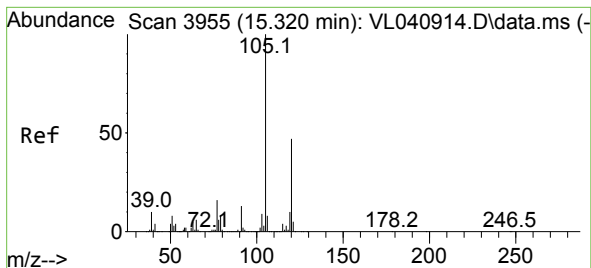
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023



#72
4-Ethyltoluene
Concen: 9.561 ppbv
RT: 15.159 min Scan# 3905
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion:105 Resp: 3333468
Ion Ratio Lower Upper
105 100
120 29.9 23.8 35.8
91 13.6 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.564 ppbv

RT: 15.317 min Scan# 3954

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 2878020

Ion Ratio Lower Upper

105 100

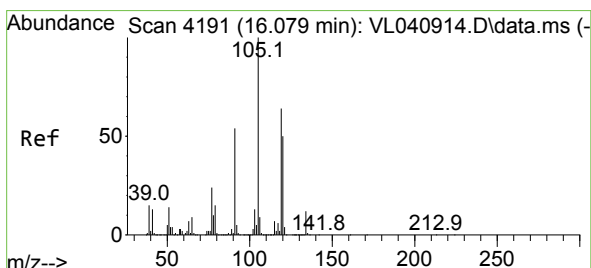
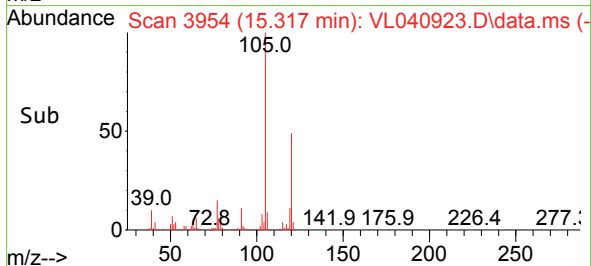
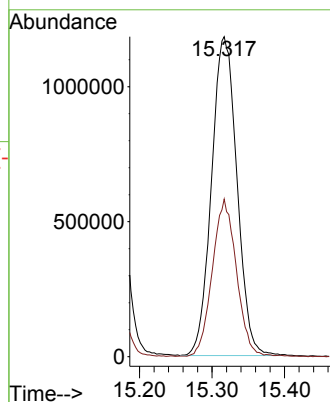
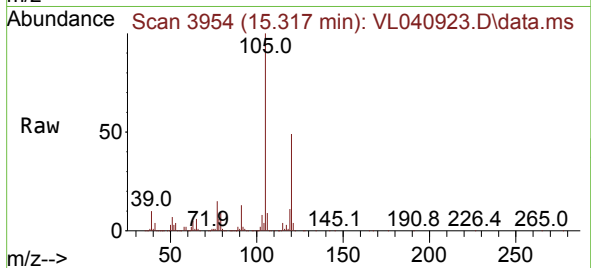
120 49.2 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.458 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion:105 Resp: 3167613

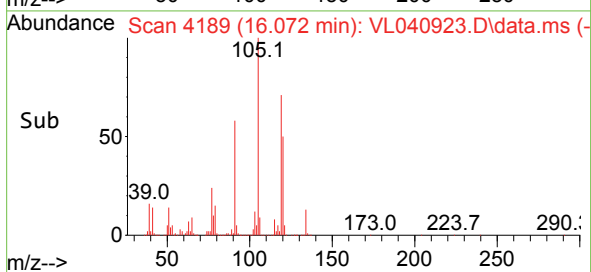
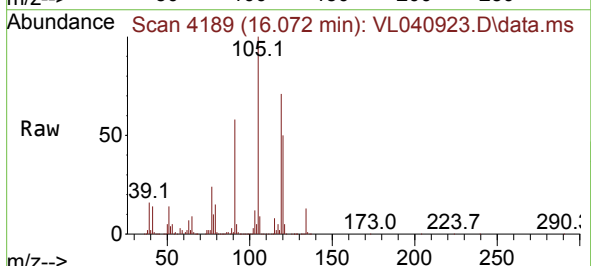
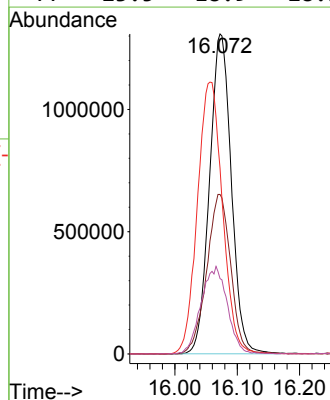
Ion Ratio Lower Upper

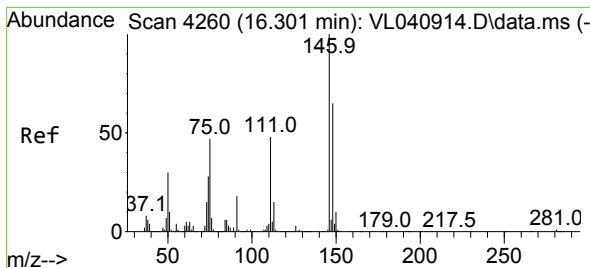
105 100

120 49.8 40.2 60.4

91 58.0 43.0 64.6

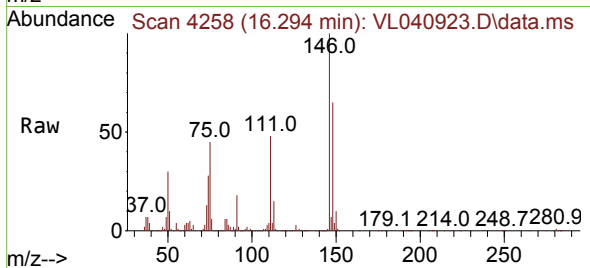
77 23.5 18.9 28.3





#75
1,3-Dichlorobenzene
Concen: 9.517 ppbv
RT: 16.294 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

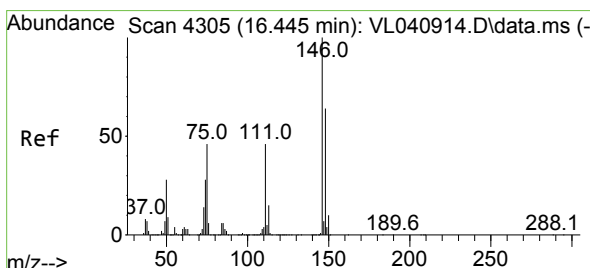
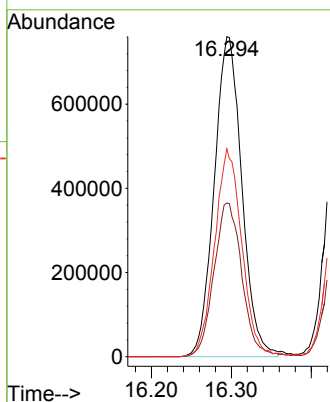
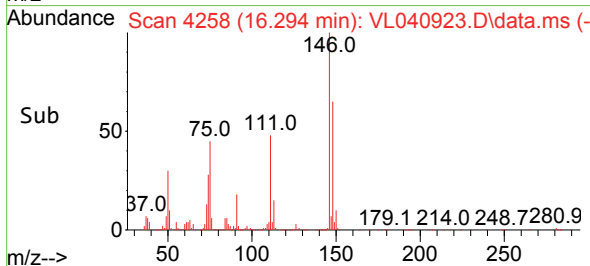
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



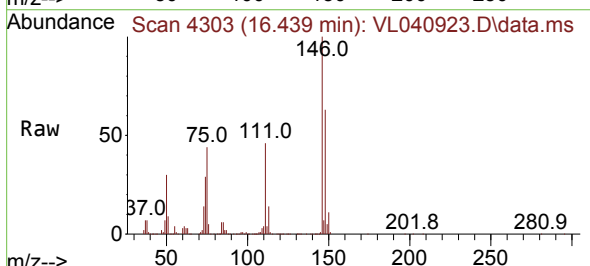
Tgt Ion:146 Resp: 182053
Ion Ratio Lower Upper
146 100
111 48.8 24.7 74.1
148 64.4 32.1 96.5

Manual Integrations
APPROVED

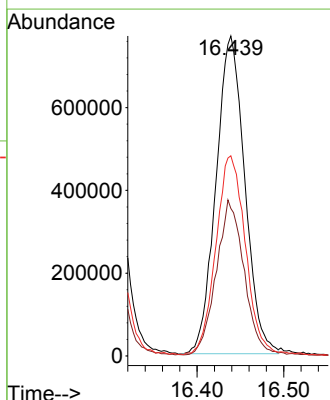
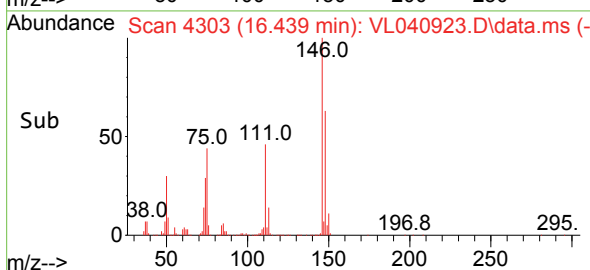
Reviewed By :Semsettin Yesilyurt 12/23/2023
Supervised By :Mahesh Dadoda 12/26/2023

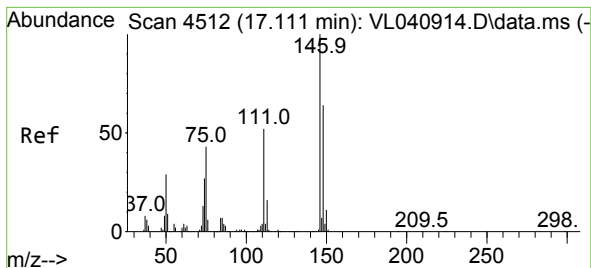


#76
1,4-Dichlorobenzene
Concen: 9.465 ppbv
RT: 16.439 min Scan# 4303
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion:146 Resp: 1771357
Ion Ratio Lower Upper
146 100
111 48.1 24.1 72.4
148 66.2 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.404 ppbv

RT: 17.108 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040923.D

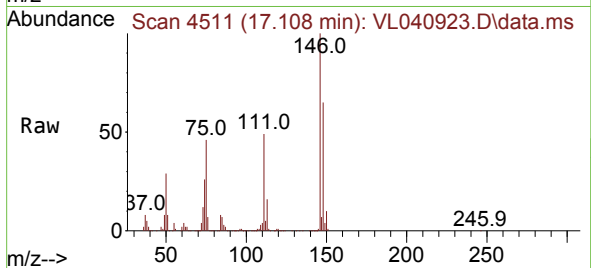
Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:146 Resp: 1733194

Ion Ratio Lower Upper

146 100

111 50.4 25.5 76.5

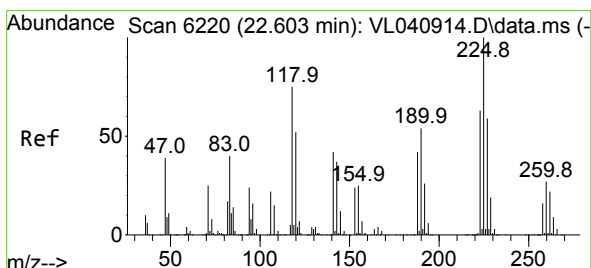
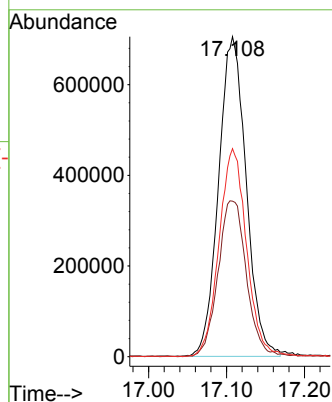
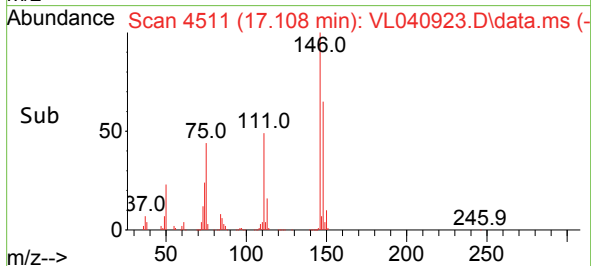
148 64.9 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#78

Hexachloro-1,3-Butadiene

Concen: 8.448 ppbv

RT: 22.593 min Scan# 6217

Delta R.T. -0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

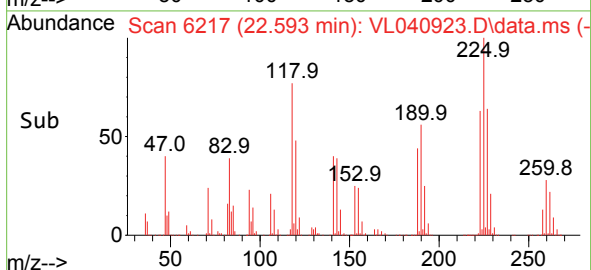
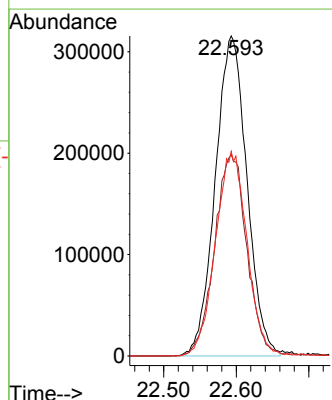
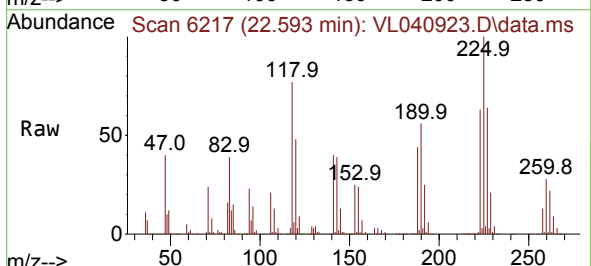
Tgt Ion:225 Resp: 957540

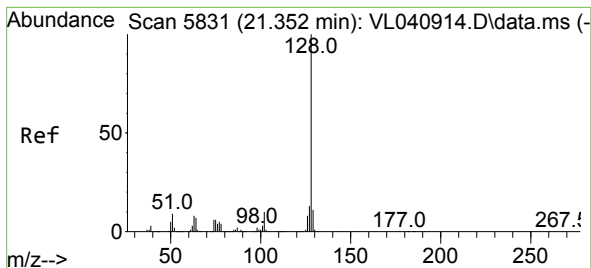
Ion Ratio Lower Upper

225 100

223 64.6 51.5 77.3

227 64.0 51.7 77.5





#79

Naphthalene

Concen: 12.917 ppbv m

RT: 21.342 min Scan# 5828

Delta R.T. -0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 208429

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

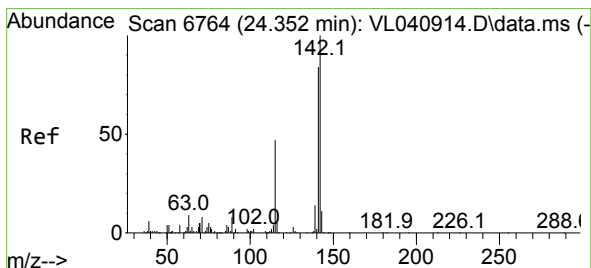
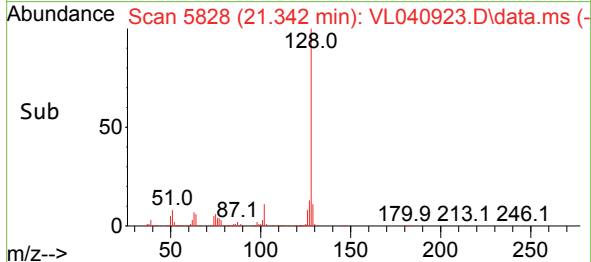
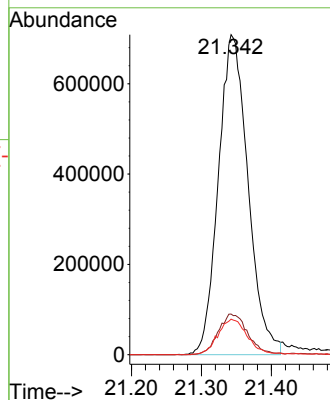
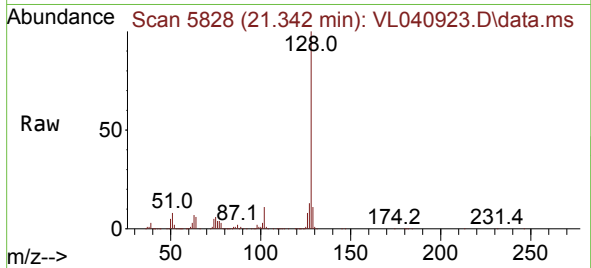
129 11.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023

Supervised By :Mahesh Dadoda 12/26/2023



#80

Naphthalene,2-methyl-

Concen: 11.853 ppbv

RT: 24.349 min Scan# 6763

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

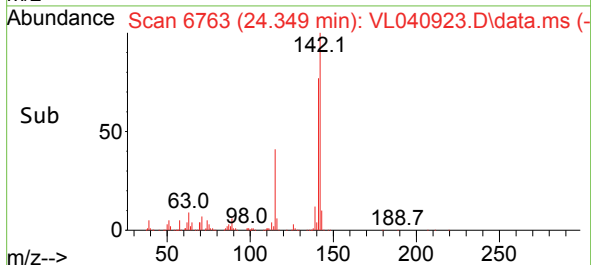
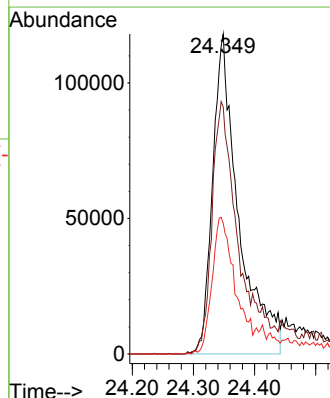
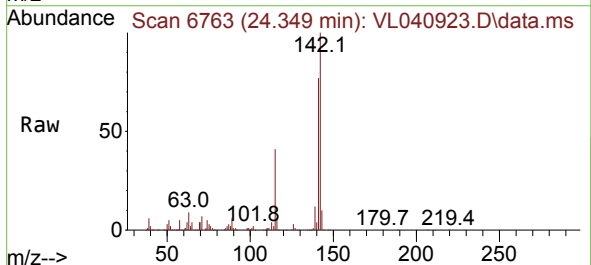
Tgt Ion:142 Resp: 349595

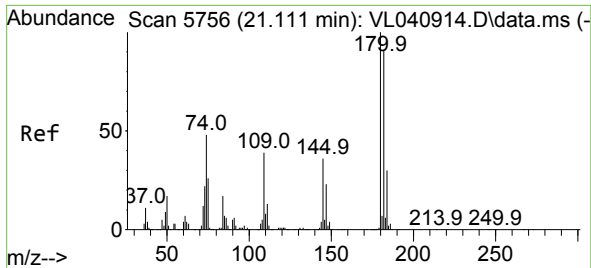
Ion Ratio Lower Upper

142 100

141 88.0 68.5 102.7

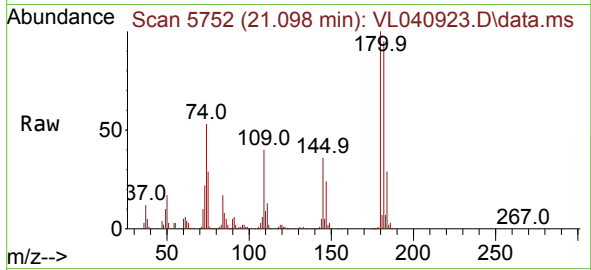
115 47.7 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.223 ppbv
 RT: 21.098 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 103968
 Ion Ratio Lower Upper
 180 100
 182 98.2 79.4 119.0
 184 30.8 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2023
 Supervised By :Mahesh Dadoda 12/26/2023

