

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040106.D
 Acq On : 19 Jan 2023 10:03
 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 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:01:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1161608	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2937220	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2999248m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2364098 9.484 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2082521	10.225	ppbv	100
3) Chlorodifluoromethane	2.658	51	1270472	9.119	ppbv	97
4) Chloromethane	2.796	50	794888	9.231	ppbv	99
5) Vinyl Chloride	2.906	62	670782	9.188	ppbv	98
6) Bromomethane	3.105	94	244317	9.171	ppbv	100
7) Chloroethane	3.182	64	256005	9.174	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1720042	9.047	ppbv	99
9) Propene	2.677	41	531604	9.183	ppbv	99
10) Heptane	7.578	43	1352352	10.136	ppbv	100
11) Trichlorofluoromethane	3.552	101	1805139	8.881	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1357002	8.880	ppbv	99
13) Ethanol	3.234	45	41545m	7.797	ppbv	
14) Bromoethene	3.353	108	531220	9.365	ppbv	99
15) Acetone	3.456	43	1198450	8.603	ppbv	98
16) 1,3-Butadiene	2.970	39	606500	9.338	ppbv	99
17) tert-Butyl alcohol	3.867	59	1249735	9.633	ppbv	99
18) 1,1-Dichloroethene	3.867	96	597384	8.998	ppbv	98
19) Isopropyl Alcohol	3.565	45	601174	8.820	ppbv	99
20) Methylene Chloride	3.922	84	501003	8.151	ppbv	97
21) Allyl Chloride	3.986	41	855506	9.564	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	625725	9.223	ppbv	97
23) Vinyl Acetate	4.616	43	427347	9.463	ppbv #	97
24) 1,1-Dichloroethane	4.555	63	1253648	9.167	ppbv	98
25) Ethyl Acetate	5.195	43	2463974	10.040	ppbv	100
26) Hexane	5.205	57	1025982	9.552	ppbv	98
27) Carbon Disulfide	4.115	76	1488203	10.695	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1135783	9.400	ppbv	100
29) Chloroform	5.269	83	1778413	10.356	ppbv	98
30) Cyclohexane	6.600	84	859039	10.061	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	966169	9.292	ppbv	100
32) 1,1,1-Trichloroethane	5.999	97	1761101	10.090	ppbv	99
34) 2-Butanone	4.777	43	1392148	10.020	ppbv	99
35) Carbon Tetrachloride	6.488	117	1850863	11.145	ppbv	98
36) Benzene	6.369	78	2208244	10.159	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1395714	9.990	ppbv	100
38) Trichloroethene	7.288	130	1294114	10.490	ppbv	99
39) 1,2-Dichloropropane	7.070	63	860523	10.121	ppbv	96
40) 1,4-Dioxane	7.285	88	341113	10.110	ppbv	98
41) Tetrahydrofuran	5.552	42	844032	10.525	ppbv	99
42) Bromodichloromethane	7.250	83	1975633	10.472	ppbv	98
43) Methyl Methacrylate	7.471	69	892266	11.186	ppbv	100
44) 2,2,4-Trimethylpentane	7.324	57	3652559	10.105	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	872110	12.261	ppbv	100

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Instrument :
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Manual Integrations
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

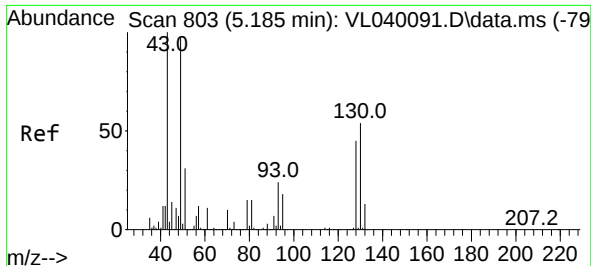
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

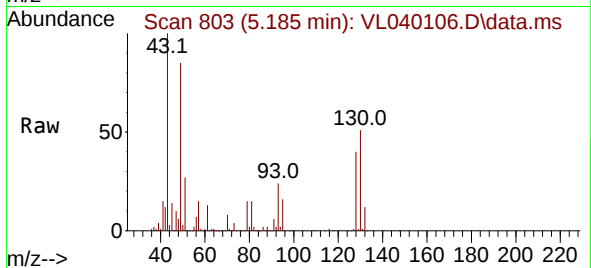
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1171774	12.056	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	924656	10.330	ppbv	98
48) Dibromochloromethane	9.713	129	1617023	11.240	ppbv	100
49) Bromoform	12.413	173	1302461	11.752	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2330234	10.663	ppbv	100
51) 2-Hexanone	9.552	43	1823177	11.012	ppbv #	98
52) Tetrachloroethene	10.616	164	758200	10.663	ppbv	99
53) Toluene	9.221	91	2532083	10.922	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1058641	11.296	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	1132683	9.703	ppbv	96
57) Chlorobenzene	11.529	112	1967482	9.624	ppbv	97
58) Ethyl Benzene	12.089	91	3474691	10.381	ppbv	100
59) m/p-Xylene	12.378	91	6011205m	19.975	ppbv	
60) o-Xylene	13.063	91	2895884	10.138	ppbv	100
61) Styrene	12.902	104	1681220	11.295	ppbv	99
62) Isopropylbenzene	14.034	105	4022295	9.790	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	975006	9.400	ppbv	99
64) n-propylbenzene	14.921	120	1038298	10.166	ppbv	97
65) tert-Butylbenzene	16.098	119	3490323	9.922	ppbv	100
66) Benzyl Chloride	16.336	91	262850	10.934	ppbv #	97
67) sec-Butylbenzene	16.642	105	4960307	9.947	ppbv	100
69) p-Isopropyltoluene	16.998	119	3999266	10.205	ppbv	100
70) n-Butylbenzene	17.889	91	4283561	10.136	ppbv	99
71) 2-Chlorotoluene	14.806	91	3143675	9.948	ppbv	100
72) 4-Ethyltoluene	15.198	105	3287954	10.373	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2918270	10.225	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	3143899	9.944	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1750650	9.970	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1689970	9.789	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1661098	9.892	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1083095m	8.806	ppbv	
79) Naphthalene	21.387	128	2254743	12.450	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	694538	11.381	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	1163276	10.421	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

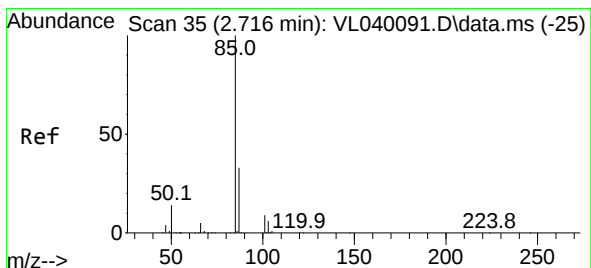
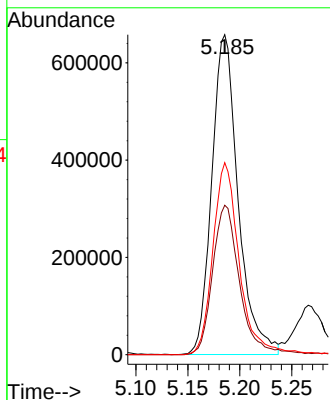
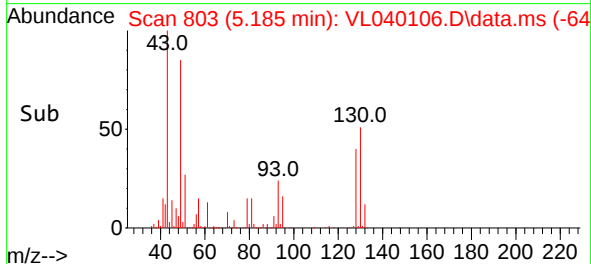
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 1161608
Ion Ratio Lower Upper
49 100
128 48.2 23.6 71.0
130 60.8 29.8 89.3

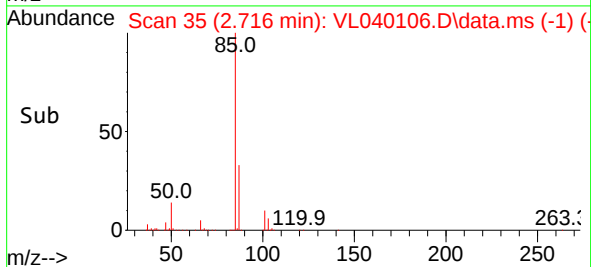
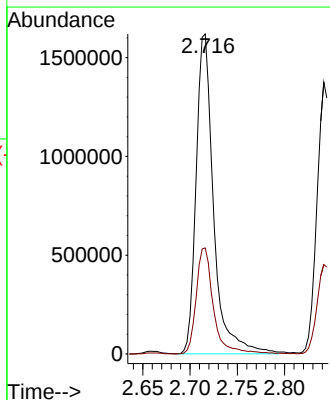
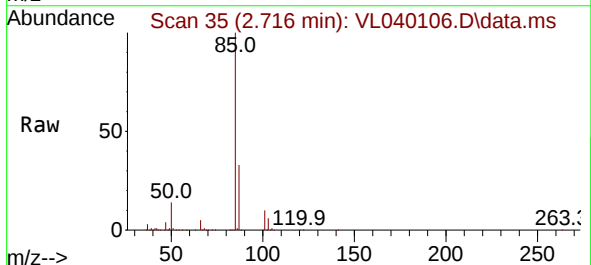
Manual Integrations
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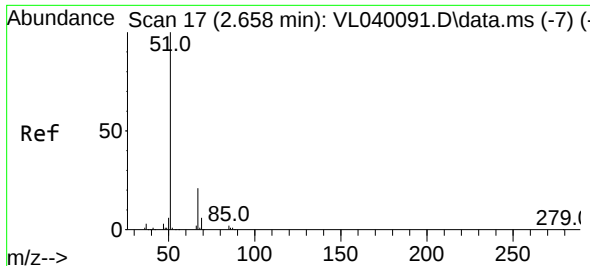
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#2
Dichlorodifluoromethane
Concen: 10.225 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion: 85 Resp: 2082521
Ion Ratio Lower Upper
85 100
87 33.1 26.5 39.7





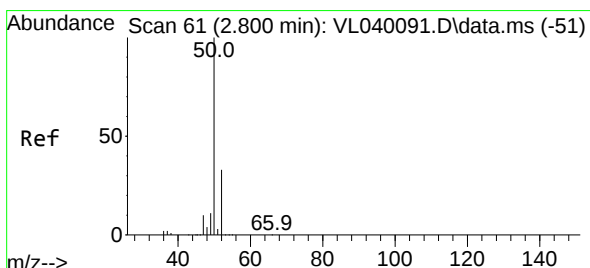
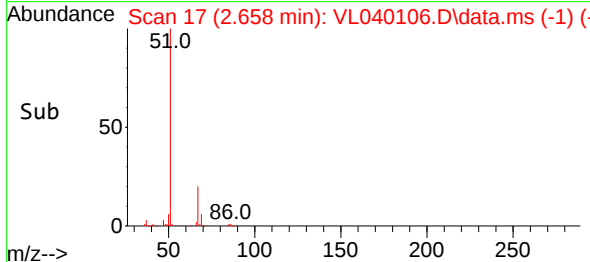
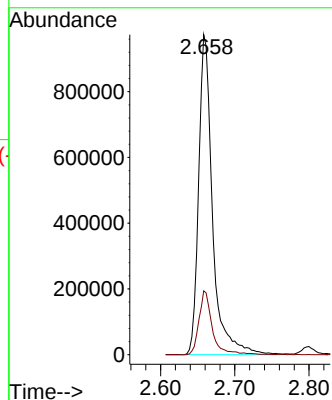
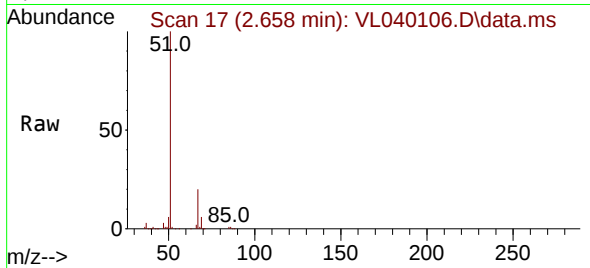
#3
Chlorodifluoromethane
Concen: 9.119 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1270472
Ion Ratio Lower Upper
51 100
67 19.2 16.4 24.6

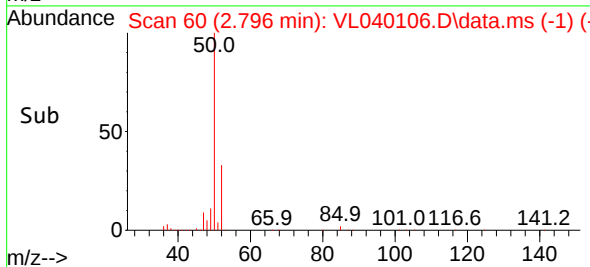
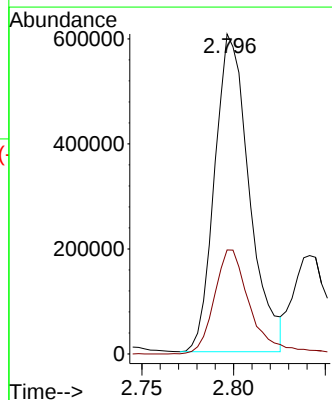
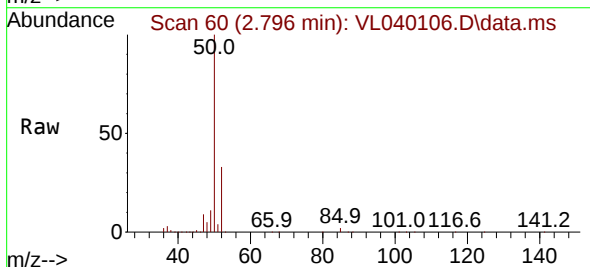
Manual Integrations
APPROVED

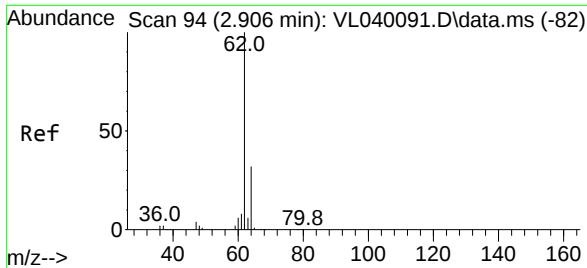
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#4
Chloromethane
Concen: 9.231 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

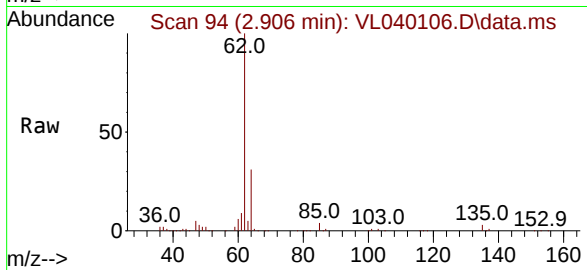
Tgt Ion: 50 Resp: 794888
Ion Ratio Lower Upper
50 100
52 32.7 26.5 39.7





#5
 Vinyl Chloride
 Concen: 9.188 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

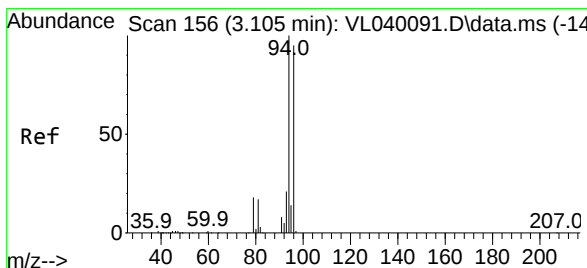
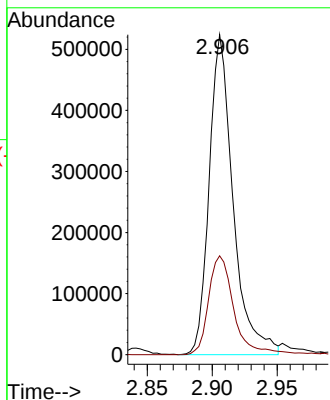
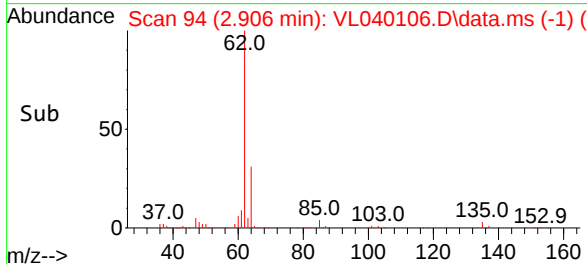
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



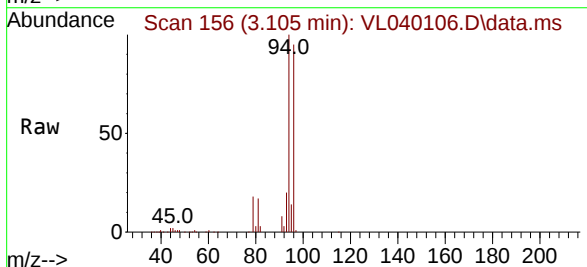
Tgt Ion: 62 Resp: 67078
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.8 38.6

Manual Integrations
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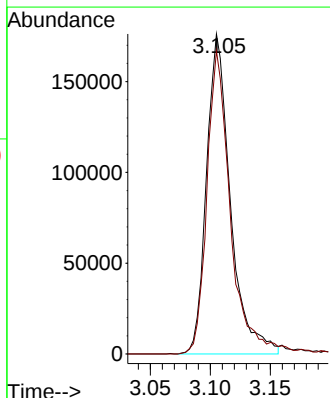
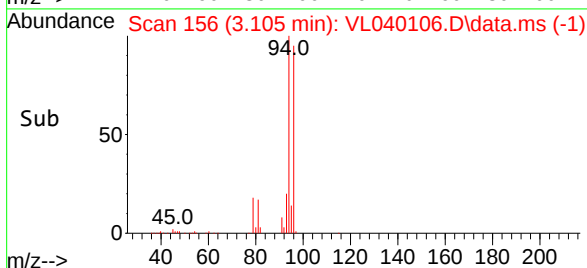
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#6
 Bromomethane
 Concen: 9.171 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03



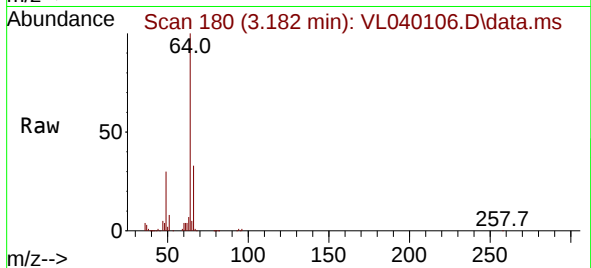
Tgt Ion: 94 Resp: 244317
 Ion Ratio Lower Upper
 94 100
 96 94.8 76.2 114.2





#7
Chloroethane
Concen: 9.174 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

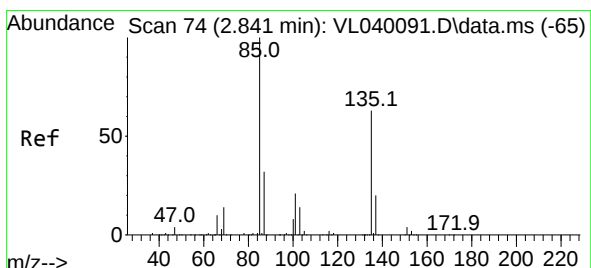
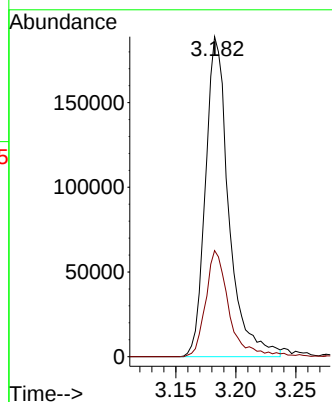
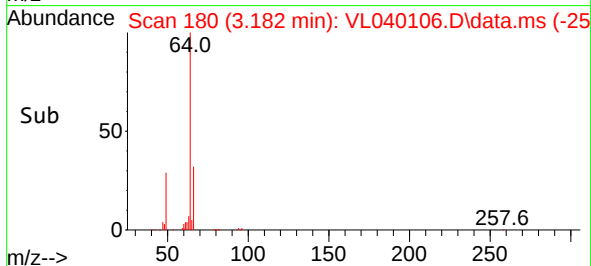
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 256000
Ion Ratio Lower Upper
64 100
66 33.1 25.6 38.4

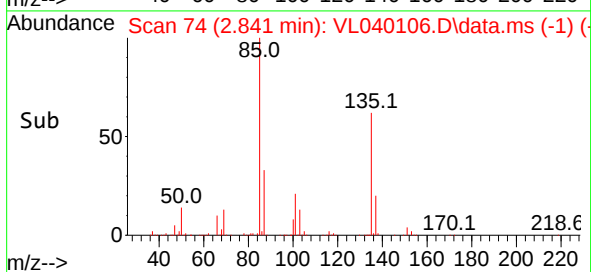
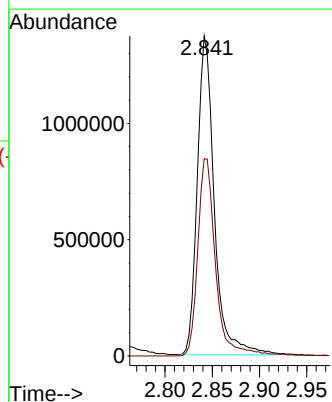
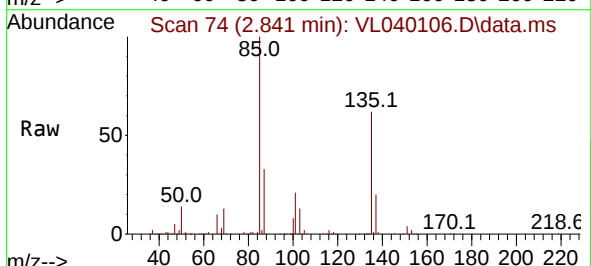
Manual Integrations
APPROVED

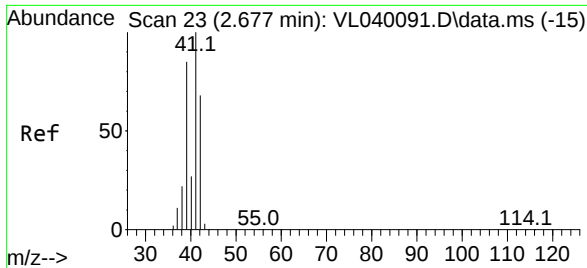
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#8
Dichlorotetrafluoroethane
Concen: 9.047 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

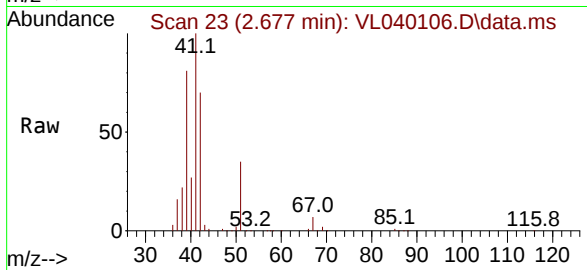
Tgt Ion: 85 Resp: 1720042
Ion Ratio Lower Upper
85 100
135 65.1 51.4 77.2





#9
 Propene
 Concen: 9.183 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

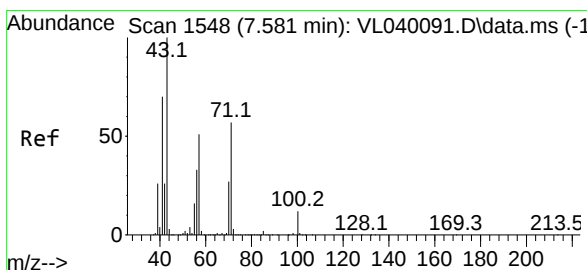
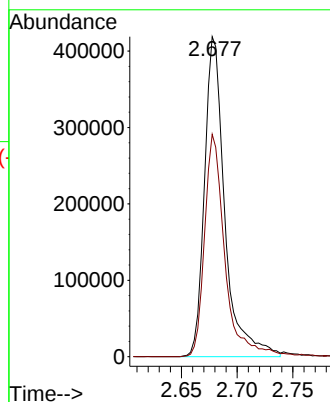
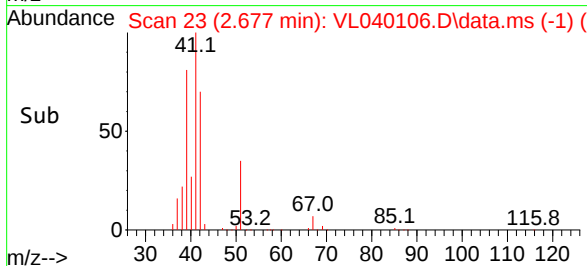
Instrument :
 MSVOA_L
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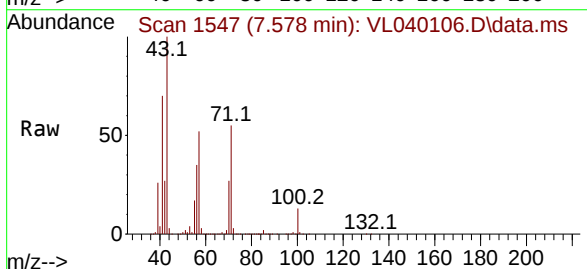
Tgt Ion: 41 Resp: 531604
 Ion Ratio Lower Upper
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 42 70.2 55.6 83.4

Manual Integrations
 APPROVED

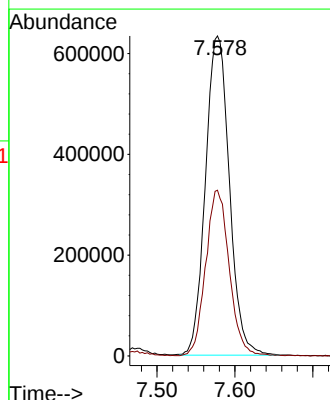
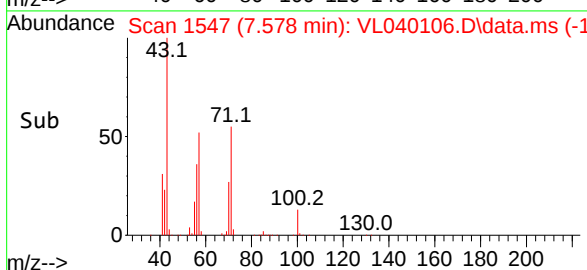
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

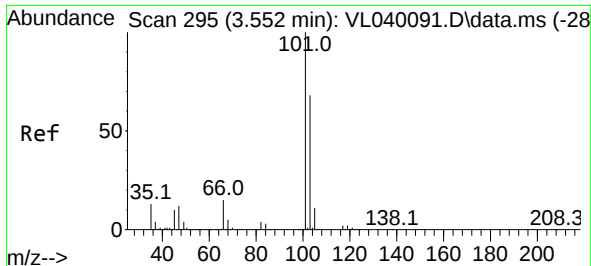


#10
 Heptane
 Concen: 10.136 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.003 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03



Tgt Ion: 43 Resp: 1352352
 Ion Ratio Lower Upper
 43 100
 57 51.0 40.9 61.3





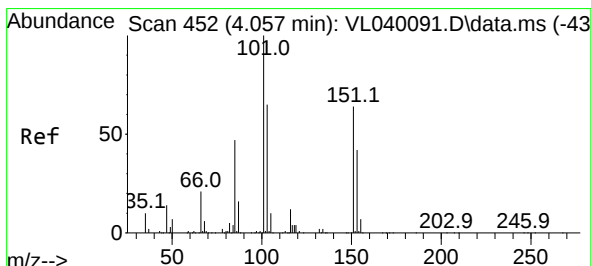
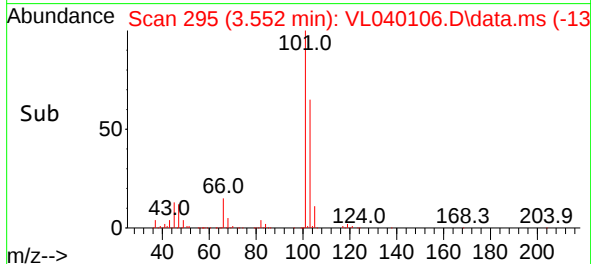
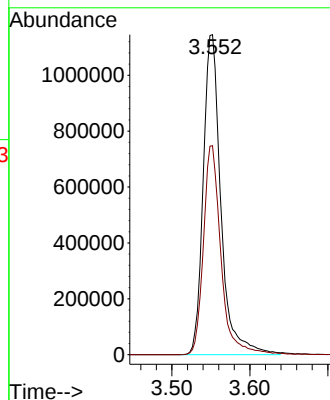
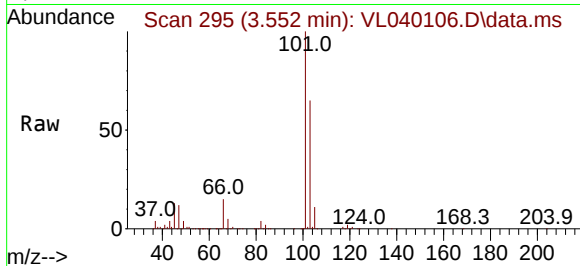
#11
 Trichlorofluoromethane
 Concen: 8.881 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1805139
 Ion Ratio Lower Upper
 101 100
 103 65.3 54.0 81.0

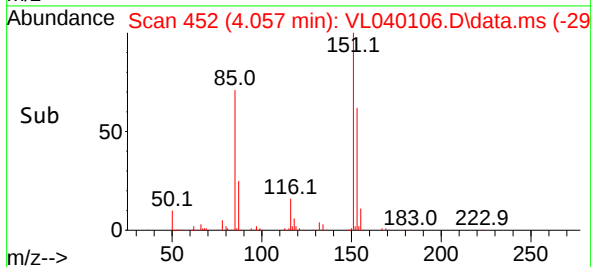
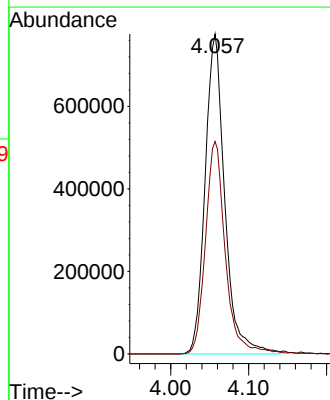
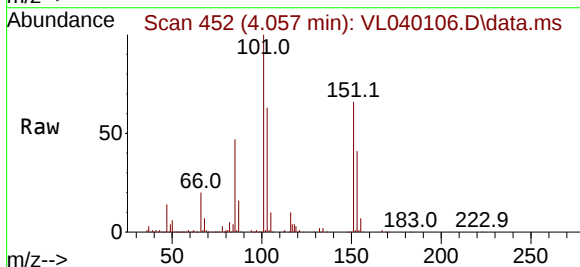
Manual Integrations
 APPROVED

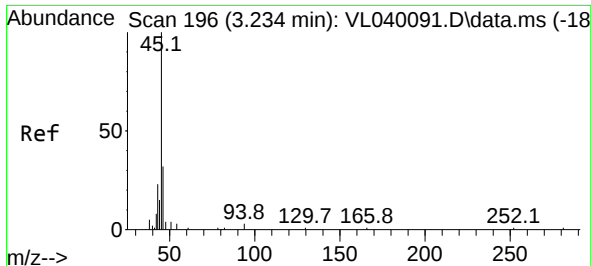
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.880 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

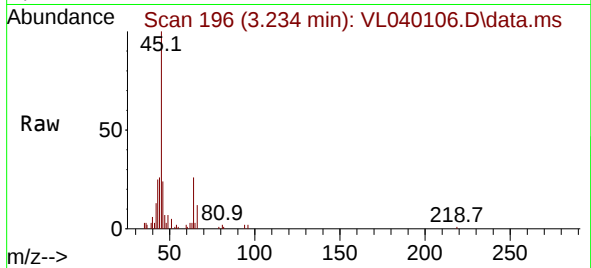
Tgt Ion:101 Resp: 1357002
 Ion Ratio Lower Upper
 101 100
 151 67.4 53.2 79.8





#13
Ethanol
Concen: 7.797 ppbv m
RT: 3.234 min Scan# 196
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

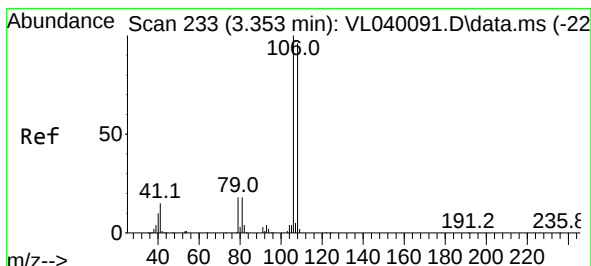
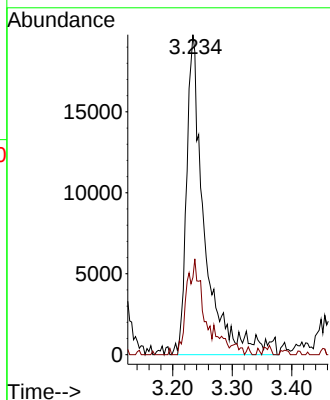
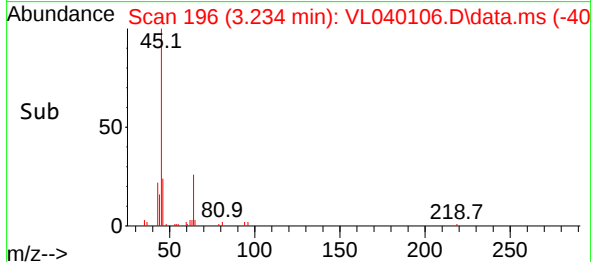
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



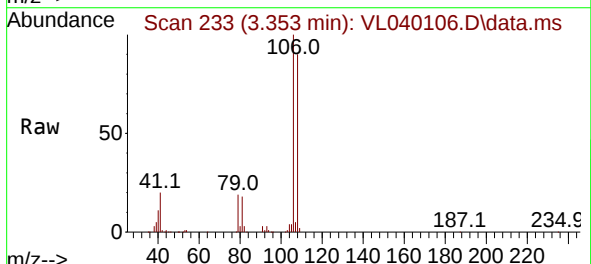
Tgt Ion: 45 Resp: 41549
Ion Ratio Lower Upper
45 100
46 32.2 14.8 59.2

Manual Integrations
APPROVED

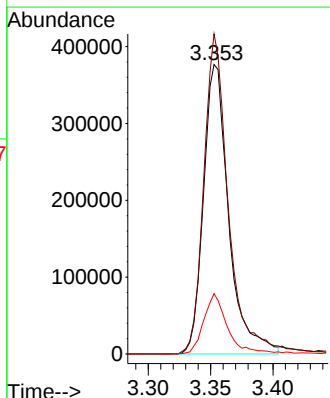
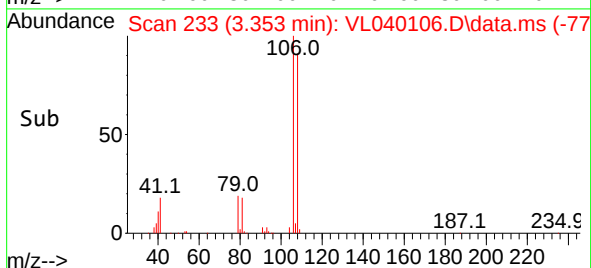
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

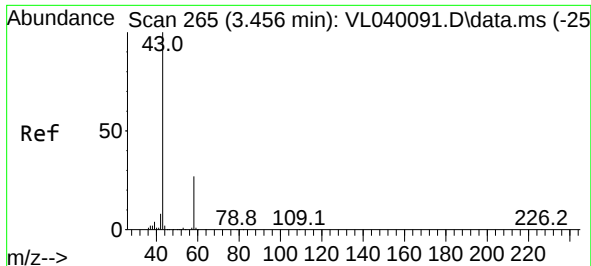


#14
Bromoethene
Concen: 9.365 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



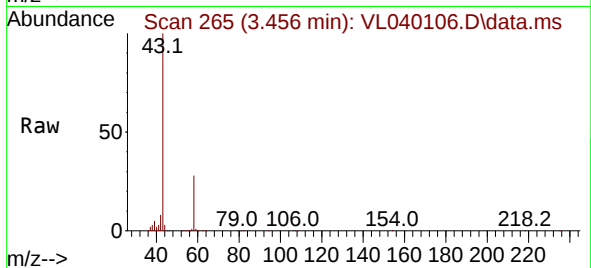
Tgt Ion:108 Resp: 531220
Ion Ratio Lower Upper
108 100
106 109.6 87.0 130.6
79 20.6 16.1 24.1





#15
Acetone
Concen: 8.603 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

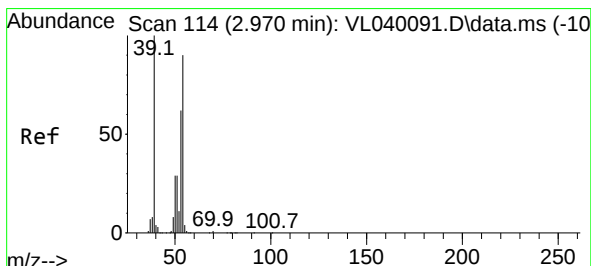
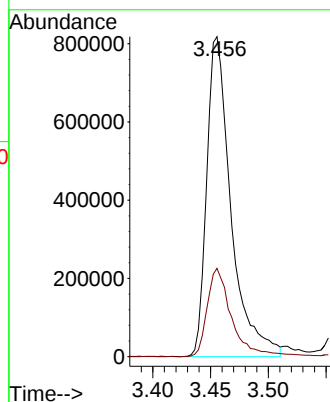
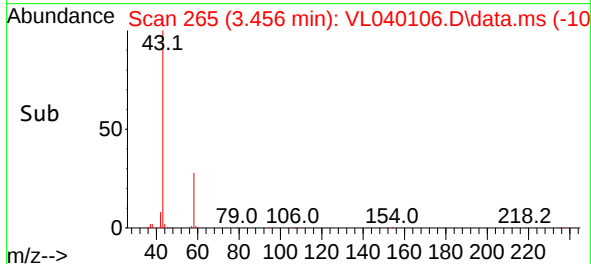
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



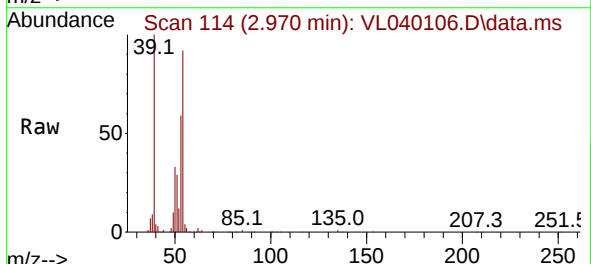
Tgt Ion: 43 Resp: 1198450
Ion Ratio Lower Upper
43 100
58 28.2 21.8 32.8

Manual Integrations
APPROVED

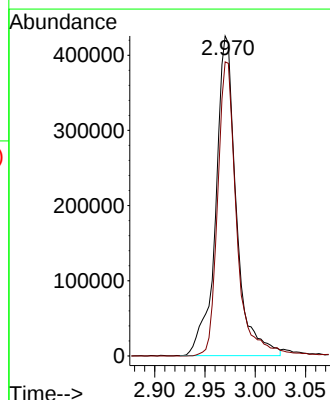
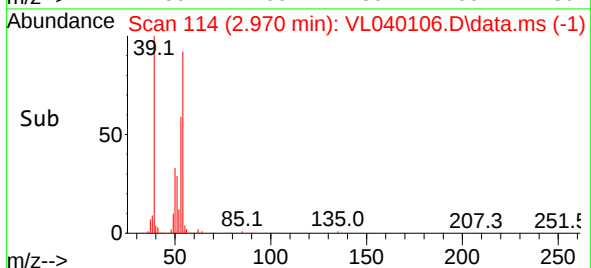
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

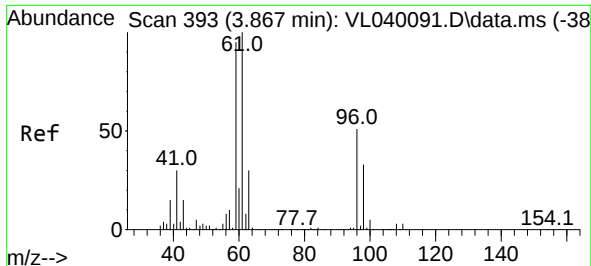


#16
1,3-Butadiene
Concen: 9.338 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



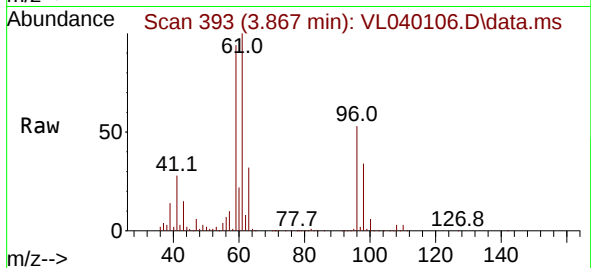
Tgt Ion: 39 Resp: 606500
Ion Ratio Lower Upper
39 100
54 85.8 67.9 101.9





#17
tert-Butyl alcohol
Concen: 9.633 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

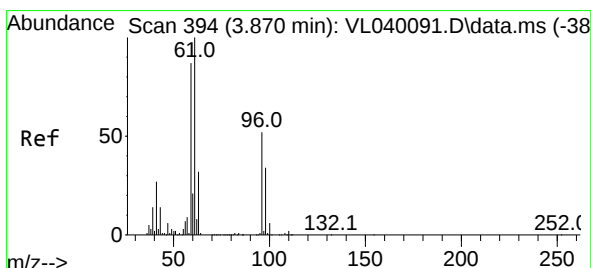
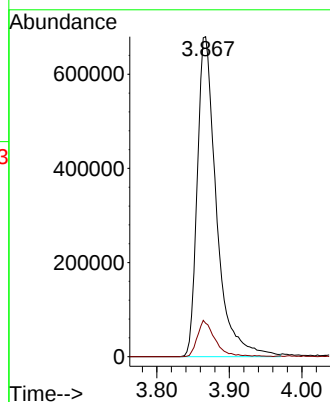
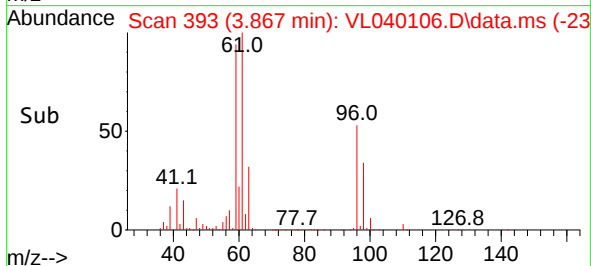
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



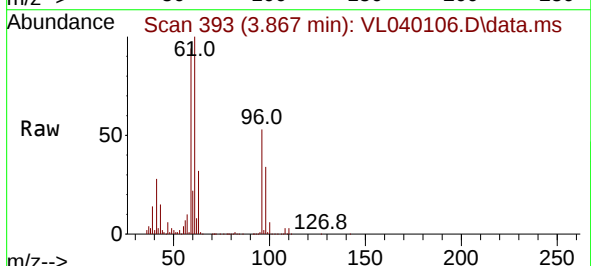
Tgt Ion: 59 Resp: 124973
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7

Manual Integrations
APPROVED

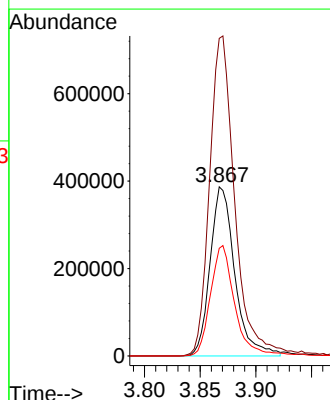
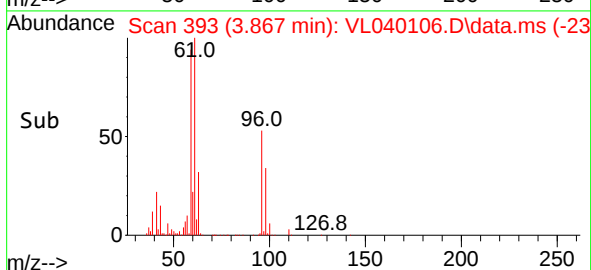
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

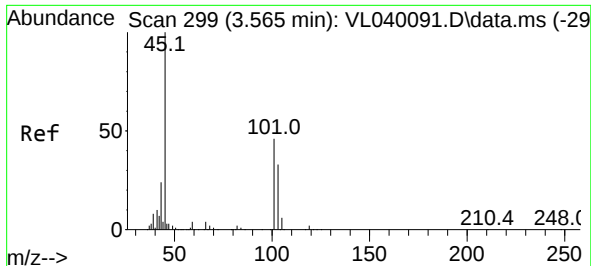


#18
1,1-Dichloroethene
Concen: 8.998 ppbv
RT: 3.867 min Scan# 393
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



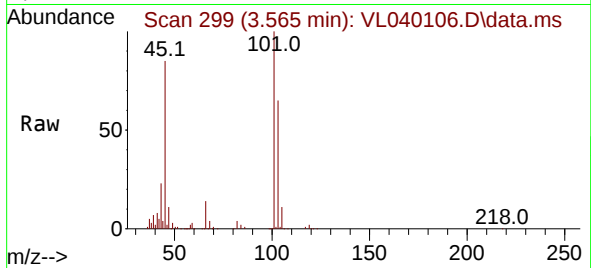
Tgt Ion: 96 Resp: 597384
Ion Ratio Lower Upper
96 100
61 187.8 153.0 229.4
98 63.7 52.7 79.1





#19
Isopropyl Alcohol
Concen: 8.820 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

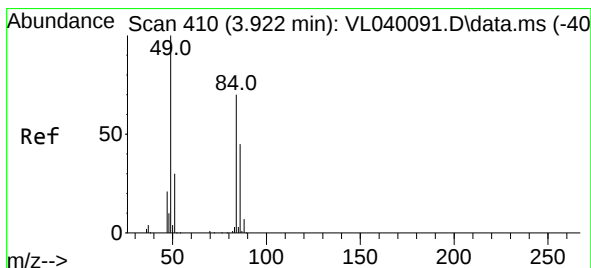
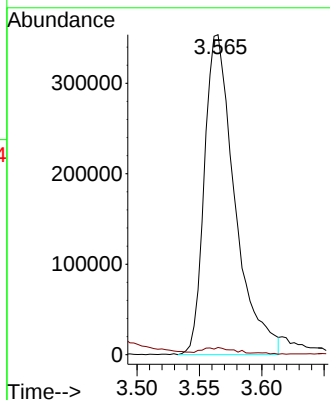
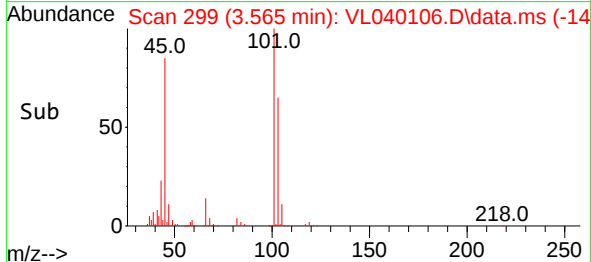
Instrument :
MSVOA_L
Client Sample Id :
VSTDCCC010



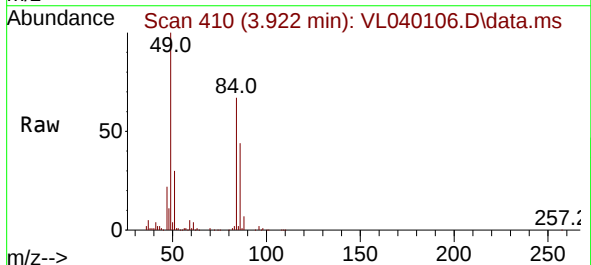
Tgt Ion: 45 Resp: 601174
Ion Ratio Lower Upper
45 100
58 3.5 2.6 4.0

Manual Integrations
APPROVED

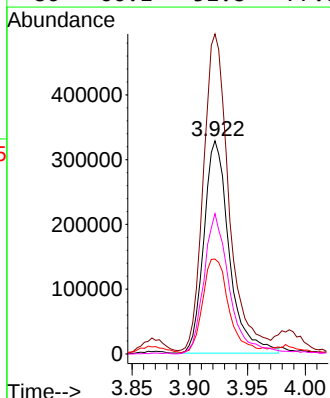
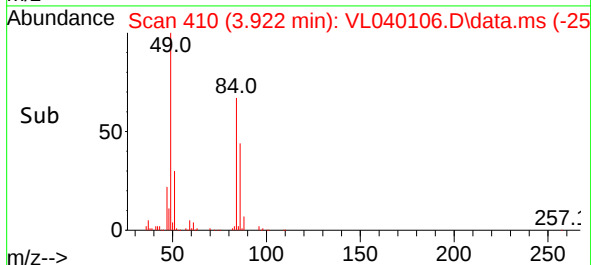
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

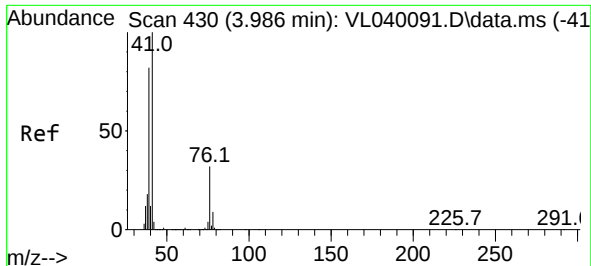


#20
Methylene Chloride
Concen: 8.151 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



Tgt Ion: 84 Resp: 501003
Ion Ratio Lower Upper
84 100
49 149.3 114.6 171.8
51 43.7 34.3 51.5
86 66.1 51.8 77.8





#21

Allyl Chloride

Concen: 9.564 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 855500

Ion Ratio Lower Upper

41 100

76 32.1 25.9 38.9

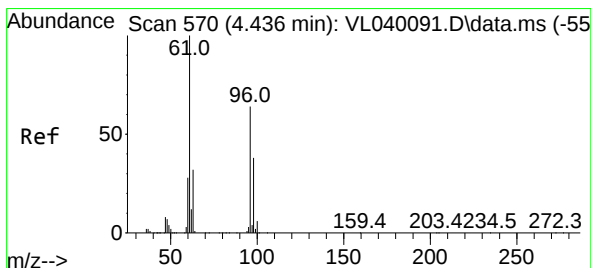
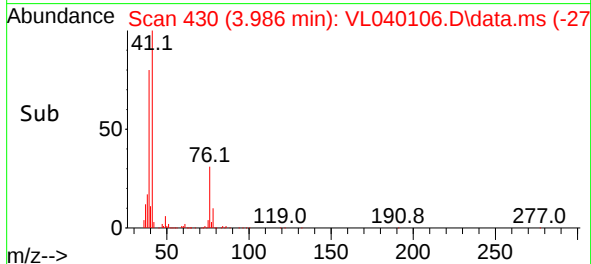
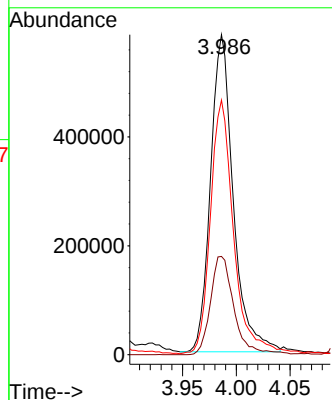
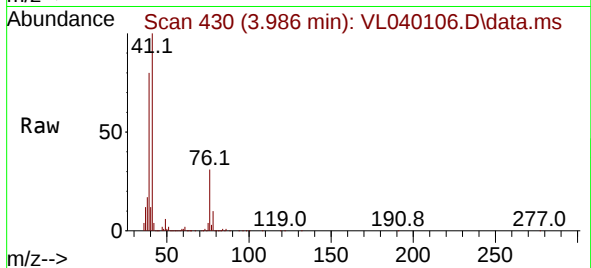
39 81.9 66.8 100.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#22

trans-1,2-Dichloroethene

Concen: 9.223 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

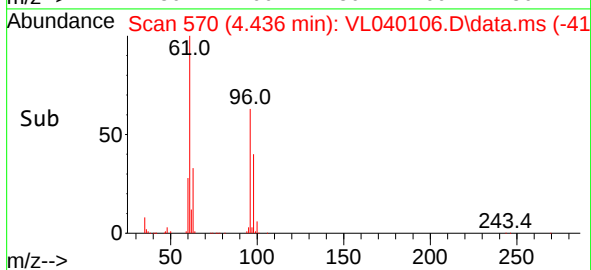
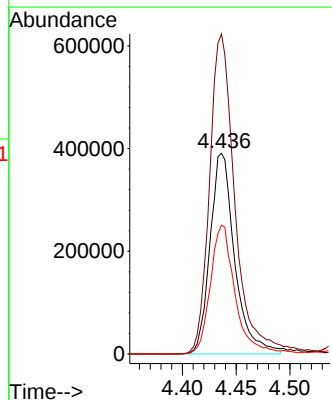
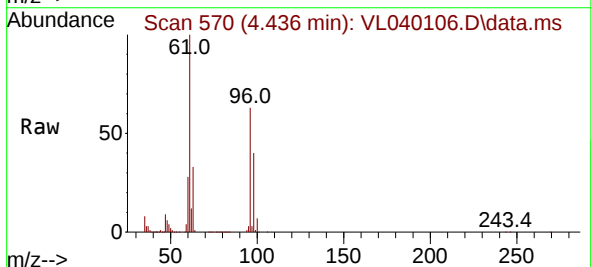
Tgt Ion: 96 Resp: 625725

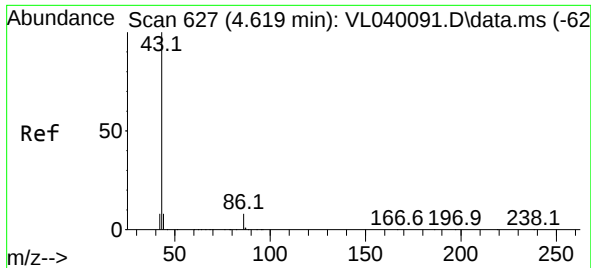
Ion Ratio Lower Upper

96 100

61 159.4 125.8 188.8

98 64.2 47.4 71.2





#23
 Vinyl Acetate
 Concen: 9.463 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

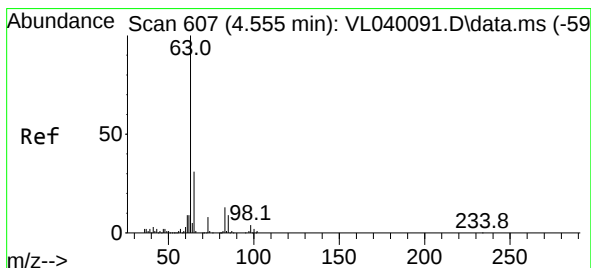
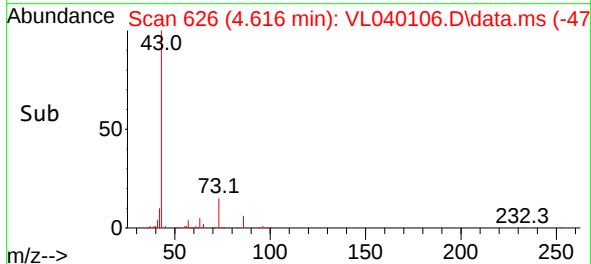
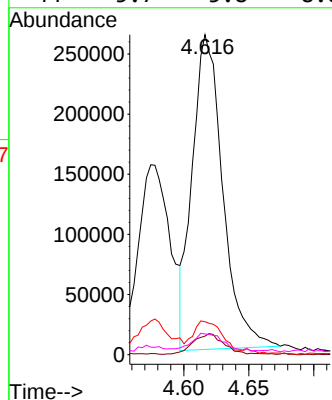
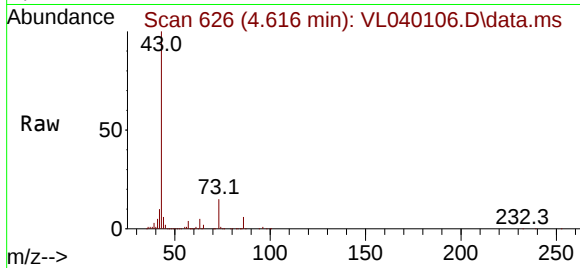
VSTDCCC010

Tgt Ion: 43 Resp: 42734
 Ion Ratio Lower Upper
 43 100
 86 5.7 5.6 8.4
 42 10.0 7.7 11.5
 44 5.7 5.8 8.8#

Manual Integrations

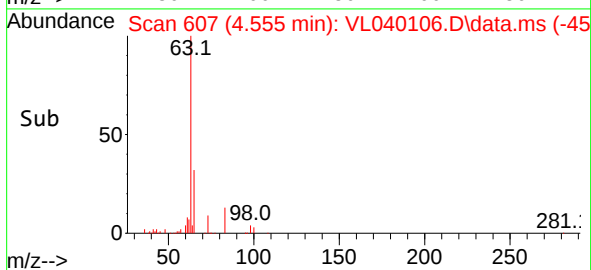
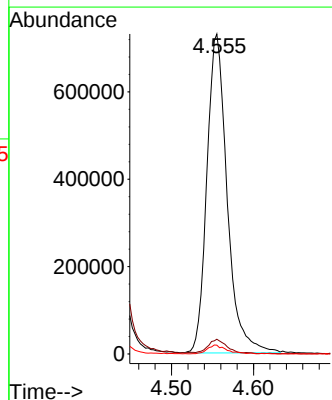
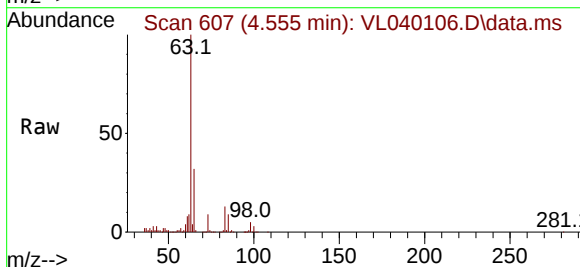
APPROVED

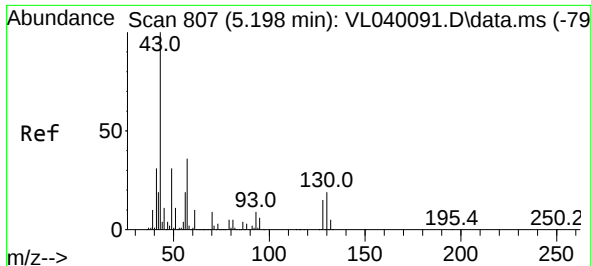
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#24
 1,1-Dichloroethane
 Concen: 9.167 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

Tgt Ion: 63 Resp: 1253648
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.0 5.8
 100 2.8 1.1 3.5





#25

Ethyl Acetate

Concen: 10.040 ppbv

RT: 5.195 min Scan# 80

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2463974

Ion Ratio Lower Upper

43 100

45 10.5 8.5 12.7

61 10.2 8.4 12.6

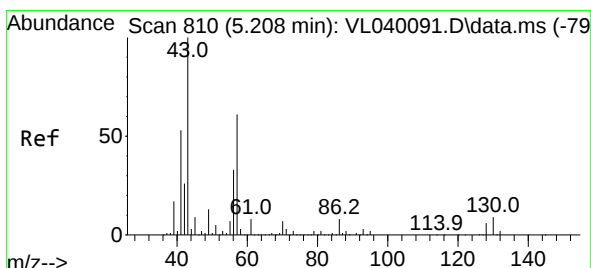
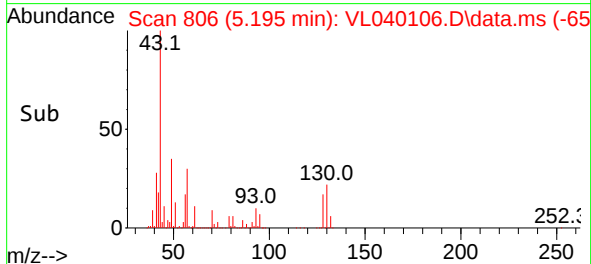
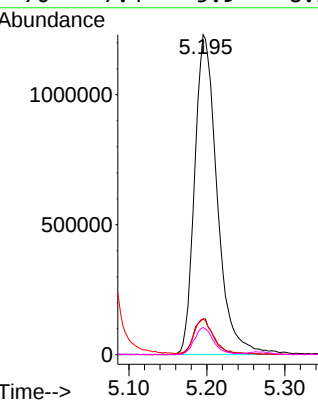
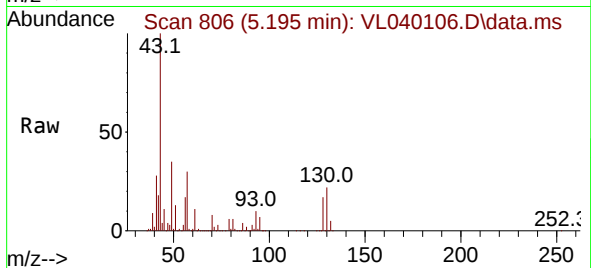
70 7.4 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#26

Hexane

Concen: 9.552 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Tgt Ion: 57 Resp: 1025982

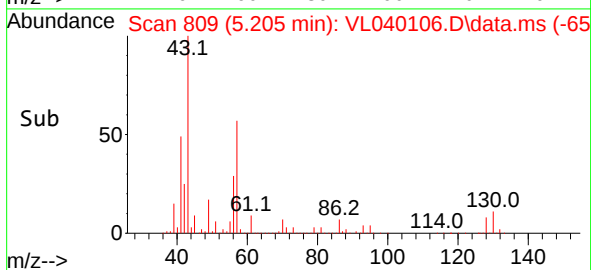
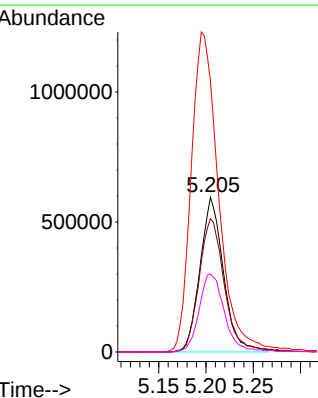
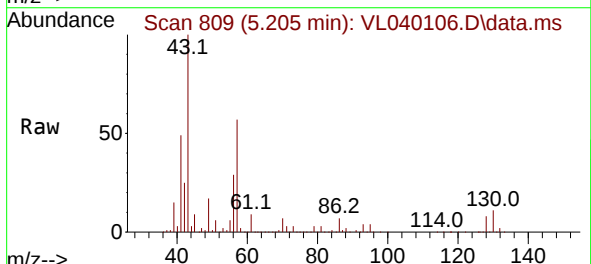
Ion Ratio Lower Upper

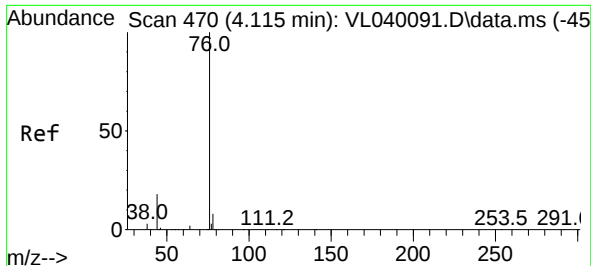
57 100

41 94.0 72.2 108.4

43 242.8 192.1 288.1

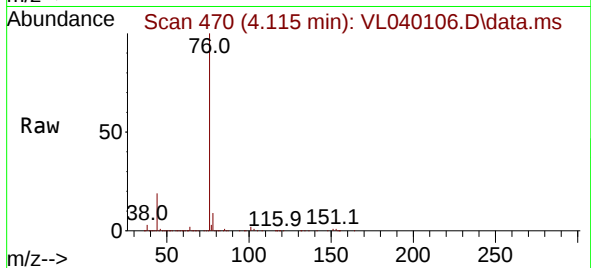
56 54.6 42.9 64.3





#27
Carbon Disulfide
Concen: 10.695 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

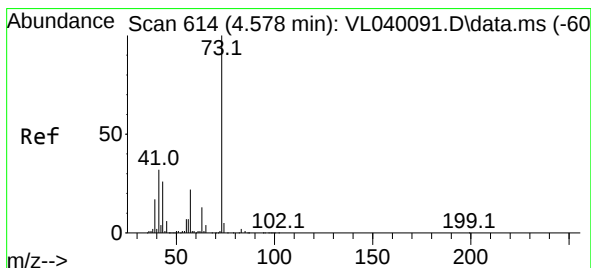
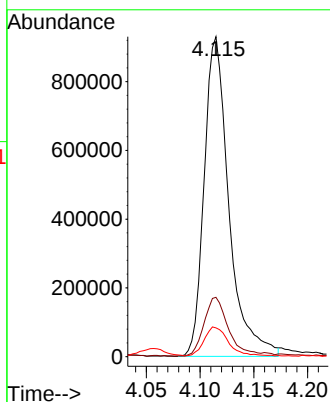
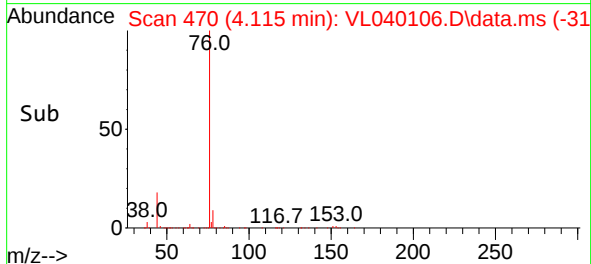
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



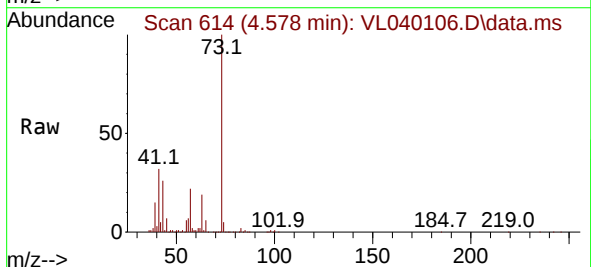
Tgt Ion: 76 Resp: 148820
Ion Ratio Lower Upper
76 100
44 19.5 14.9 22.3
78 9.6 8.2 12.2

Manual Integrations
APPROVED

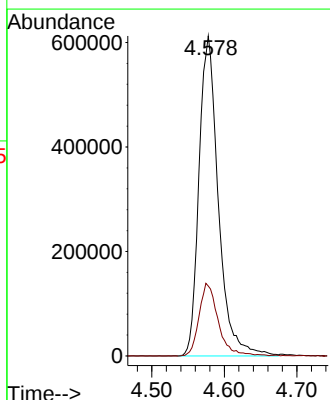
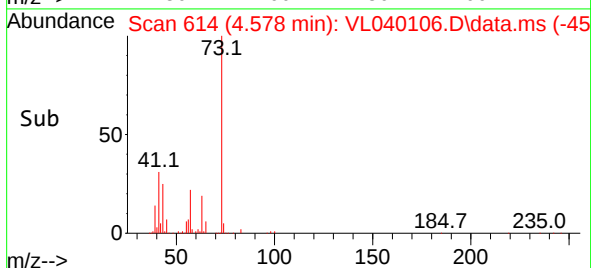
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

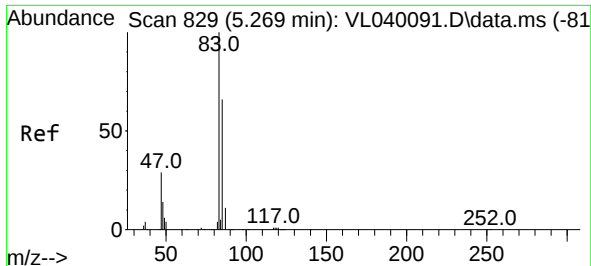


#28
Methyl tert-Butyl Ether
Concen: 9.400 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



Tgt Ion: 73 Resp: 1135783
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5





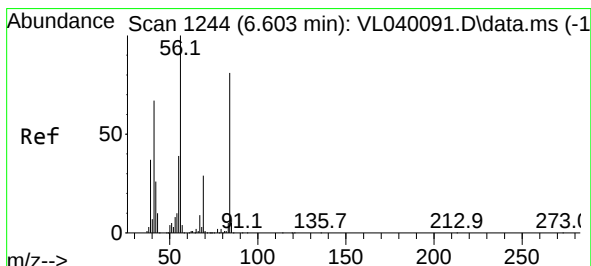
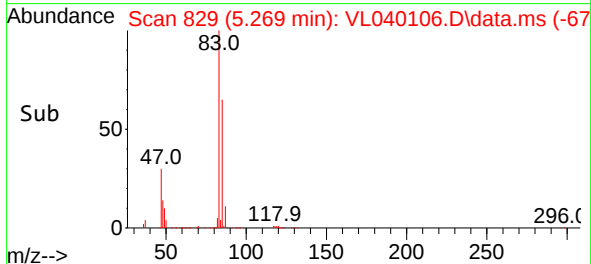
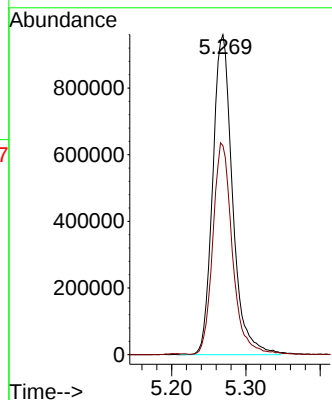
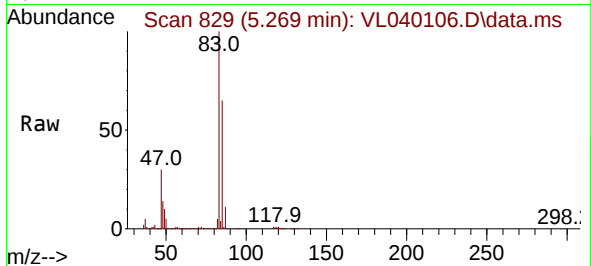
#29
Chloroform
Concen: 10.356 ppbv
RT: 5.269 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 177841
Ion Ratio Lower Upper
83 100
85 65.0 53.1 79.7

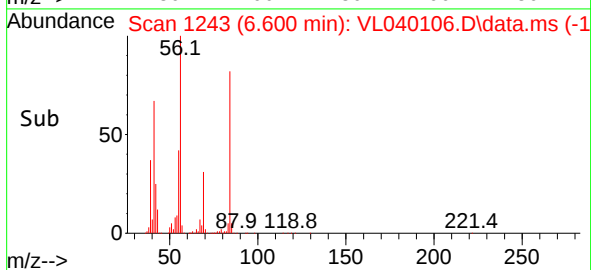
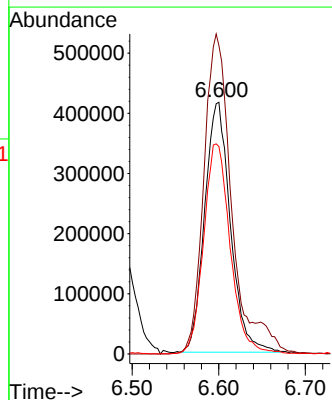
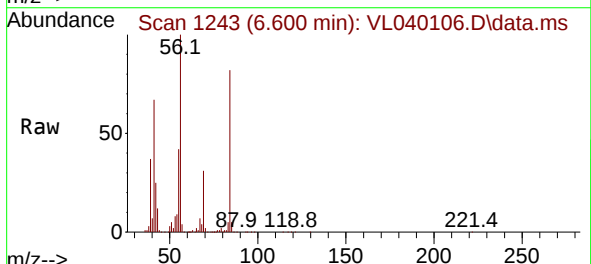
Manual Integrations
APPROVED

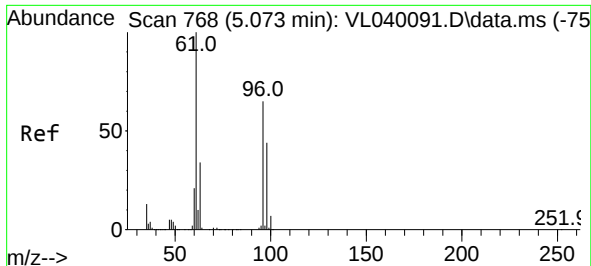
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#30
Cyclohexane
Concen: 10.061 ppbv
RT: 6.600 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

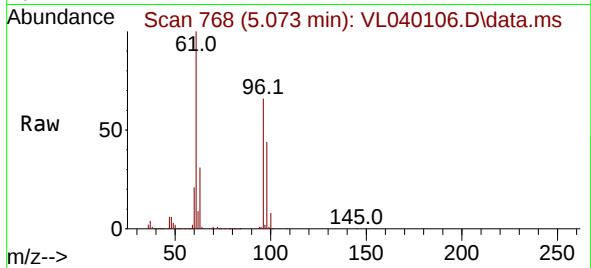
Tgt Ion: 84 Resp: 859039
Ion Ratio Lower Upper
84 100
56 140.3 111.5 167.3
41 87.3 71.4 107.0





#31
 cis-1,2-Dichloroethene
 Concen: 9.292 ppbv
 RT: 5.073 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

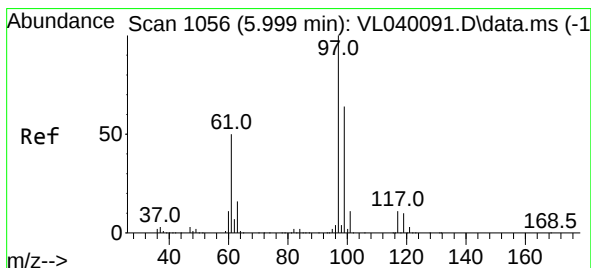
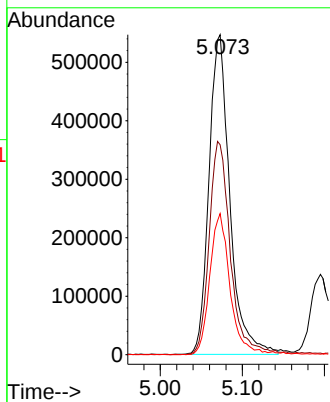
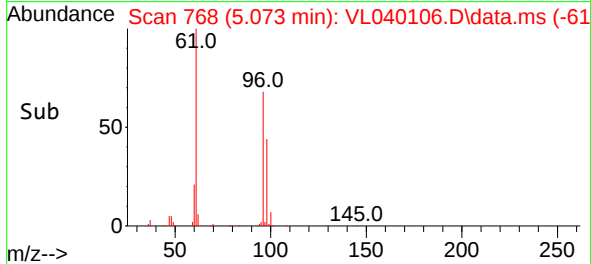
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 966169
 Ion Ratio Lower Upper
 61 100
 96 65.6 52.0 78.0
 98 44.1 35.3 52.9

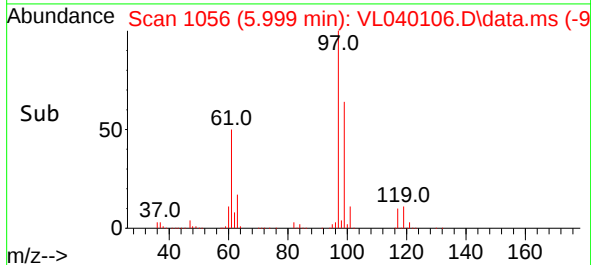
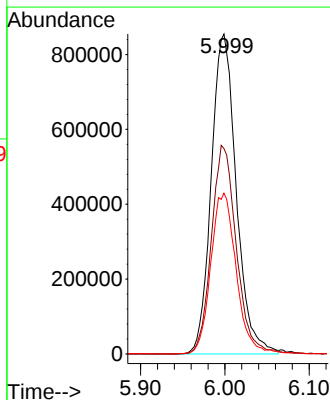
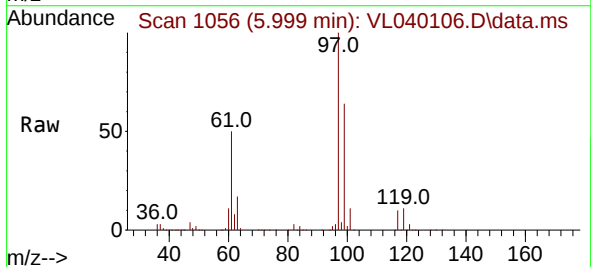
Manual Integrations
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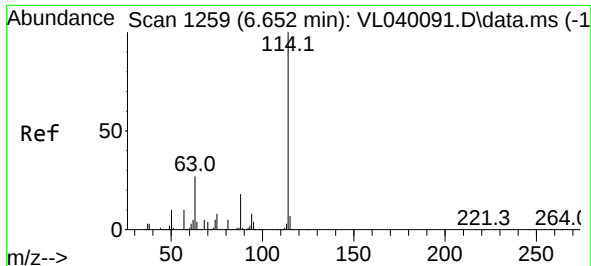
Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023



#32
 1,1,1-Trichloroethane
 Concen: 10.090 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VL040106.D
 Acq: 19 Jan 2023 10:03

Tgt Ion: 97 Resp: 1761101
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.8 77.6
 61 51.5 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040106.D

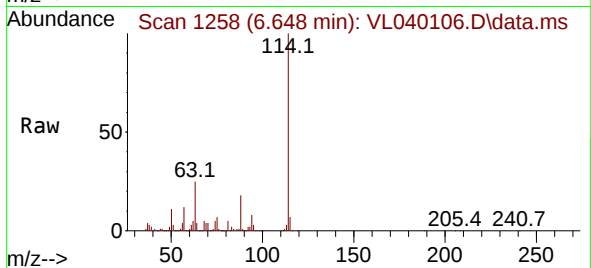
Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:114 Resp: 2937220

Ion Ratio Lower Upper

114 100

63 26.2 21.8 32.8

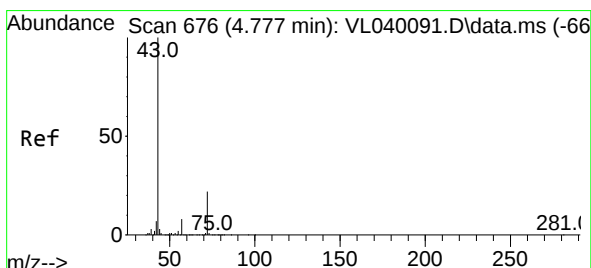
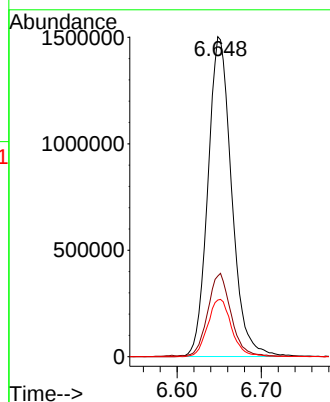
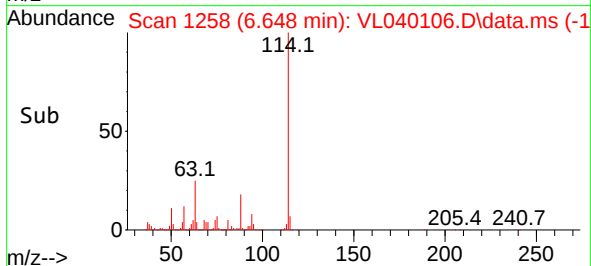
88 18.2 14.8 22.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#34

2-Butanone

Concen: 10.020 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.000 min

Lab File: VL040106.D

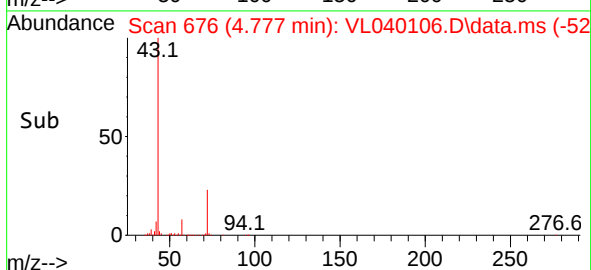
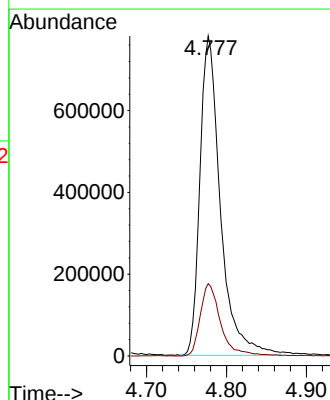
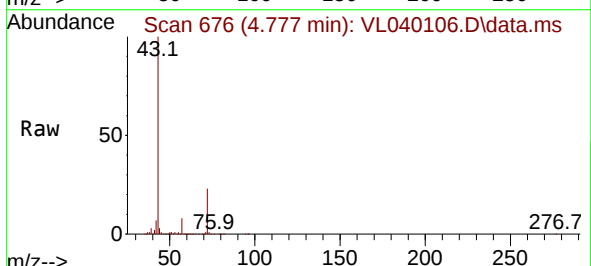
Acq: 19 Jan 2023 10:03

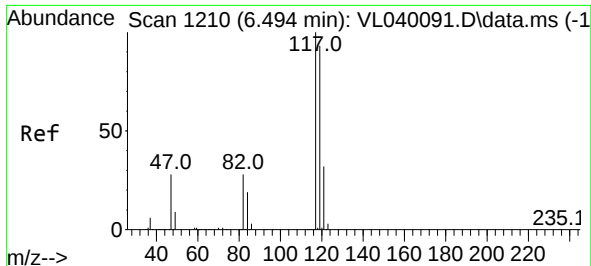
Tgt Ion: 43 Resp: 1392148

Ion Ratio Lower Upper

43 100

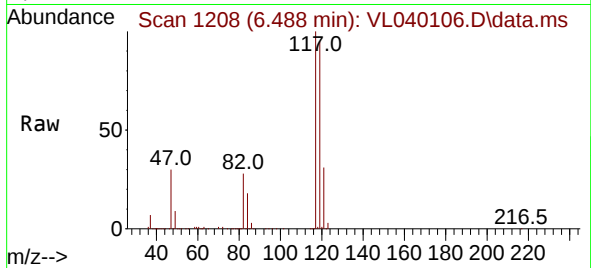
72 22.7 18.4 27.6





#35
Carbon Tetrachloride
Concen: 11.145 ppbv
RT: 6.488 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

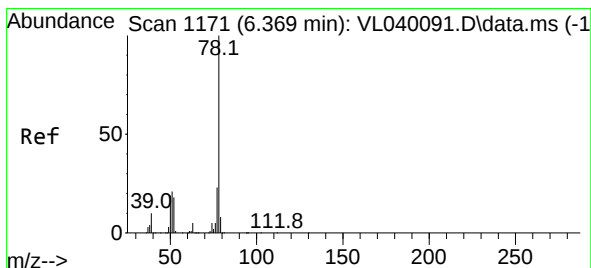
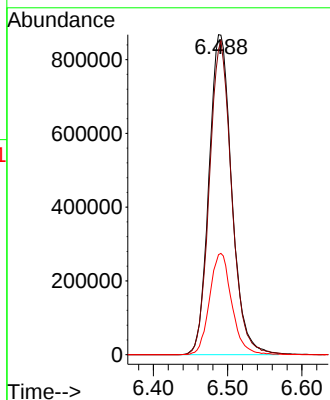
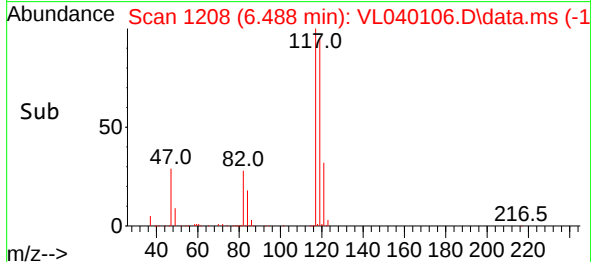
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 185086
Ion Ratio Lower Upper
117 100
119 95.3 74.5 111.7
121 31.3 25.4 38.0

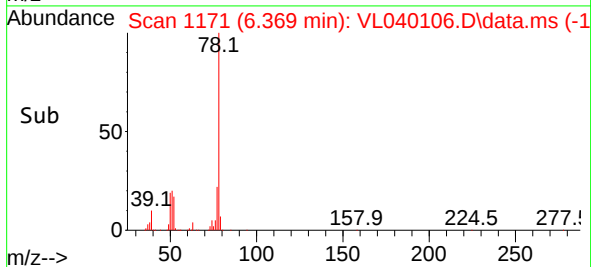
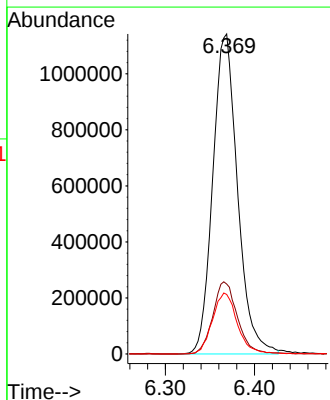
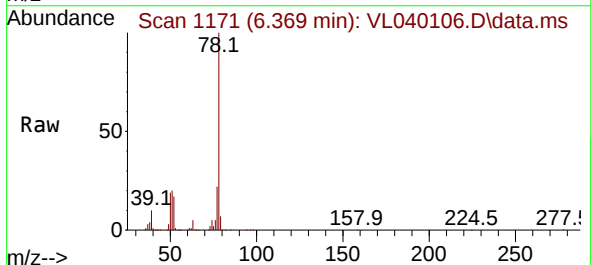
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APPROVED

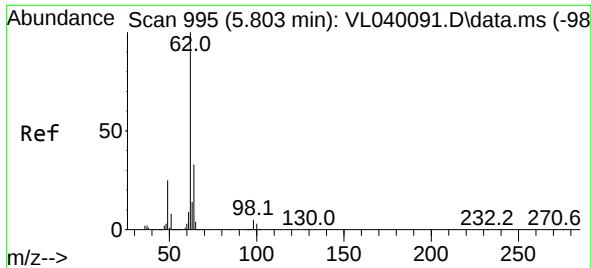
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#36
Benzene
Concen: 10.159 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion: 78 Resp: 2208244
Ion Ratio Lower Upper
78 100
77 21.8 18.1 27.1
50 18.6 15.6 23.4





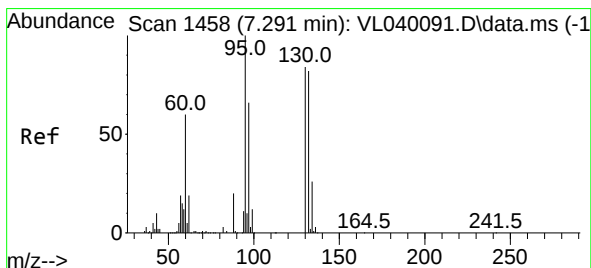
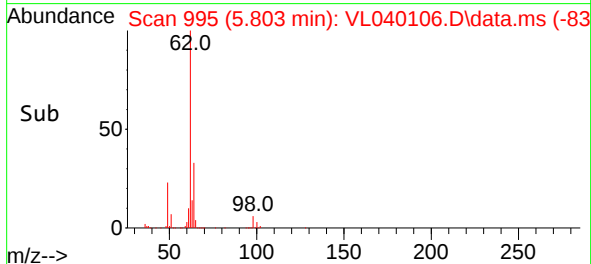
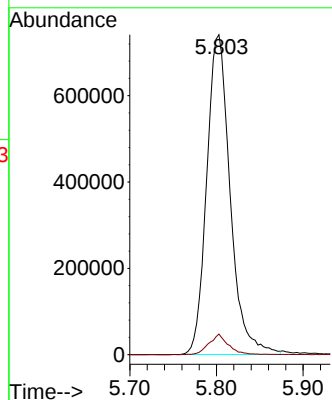
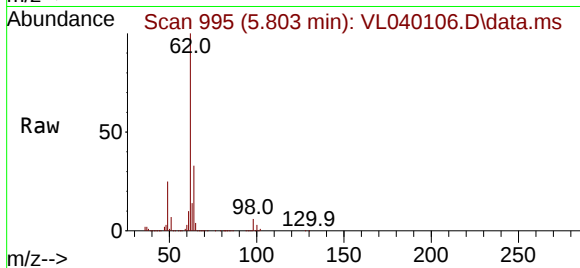
#37
1,2-Dichloroethane
Concen: 9.990 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1395714
Ion Ratio Lower Upper
62 100
98 5.5 4.4 6.6

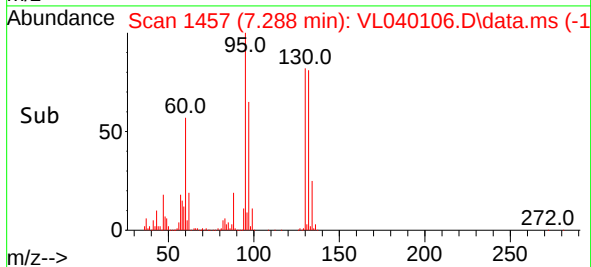
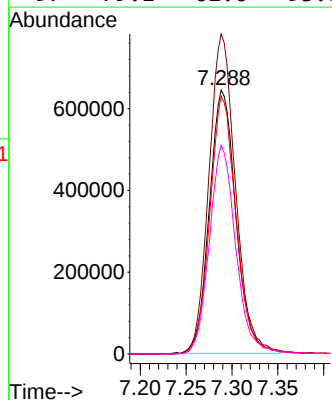
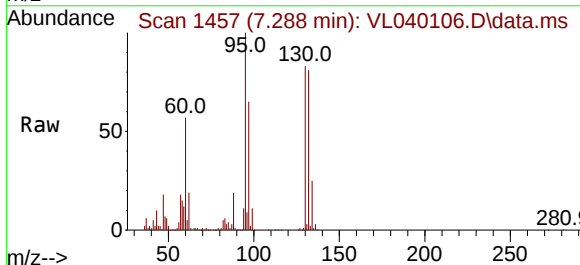
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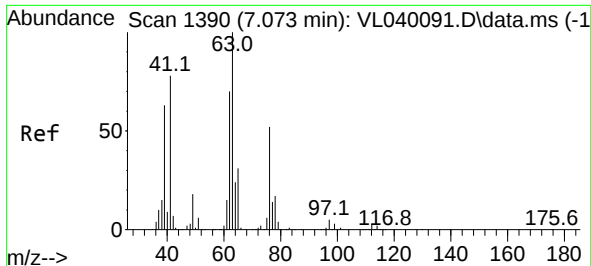
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#38
Trichloroethene
Concen: 10.490 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion:130 Resp: 1294114
Ion Ratio Lower Upper
130 100
95 121.3 95.0 142.6
132 97.7 77.9 116.9
97 79.1 62.6 93.8





#39

1,2-Dichloropropane

Concen: 10.121 ppbv

RT: 7.070 min Scan# 1389

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 86052

Ion Ratio Lower Upper

63 100

41 72.5 62.2 93.4

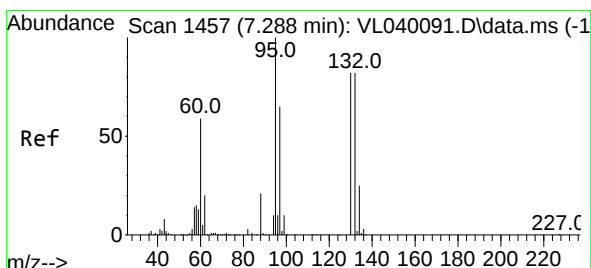
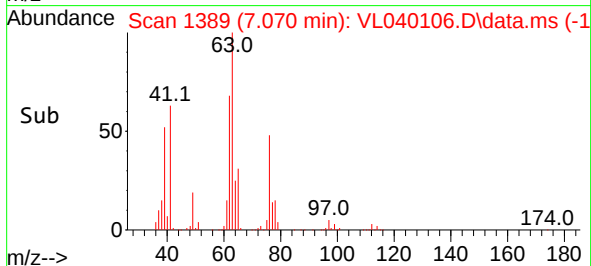
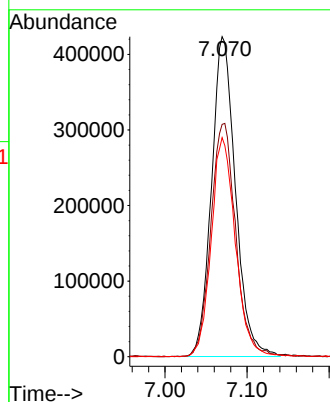
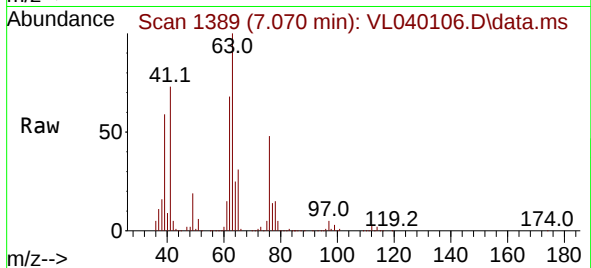
62 68.5 55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#40

1,4-Dioxane

Concen: 10.110 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Tgt Ion: 88 Resp: 341113

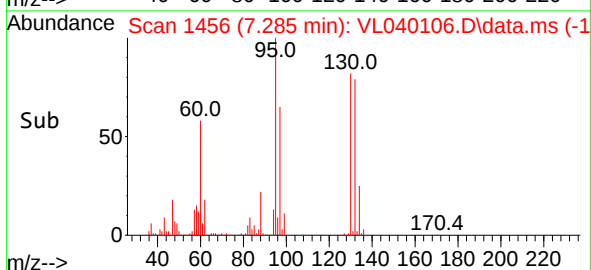
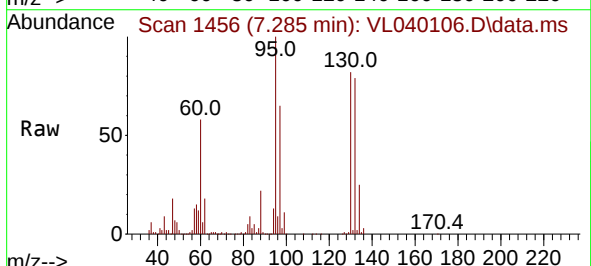
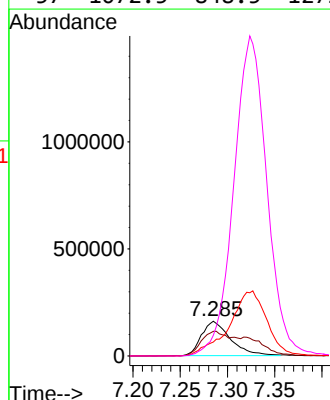
Ion Ratio Lower Upper

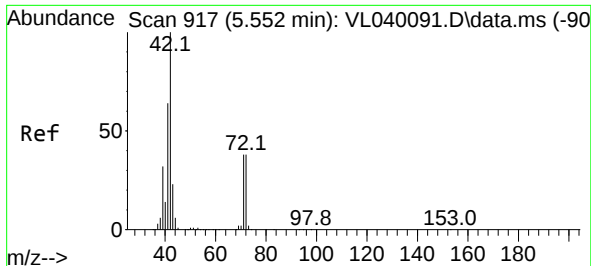
88 100

58 122.9 97.5 146.3

43 247.9 195.0 292.4

57 1072.5 848.5 1272.7





#41

Tetrahydrofuran

Concen: 10.525 ppbv

RT: 5.552 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 844032

Ion Ratio Lower Upper

42 100

72 40.3 31.9 47.9

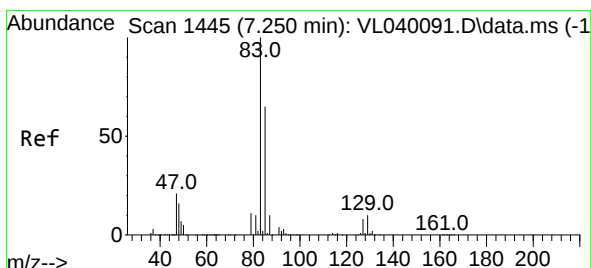
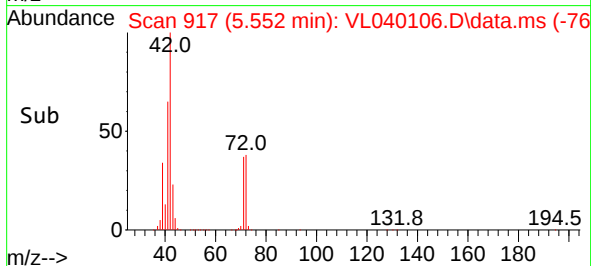
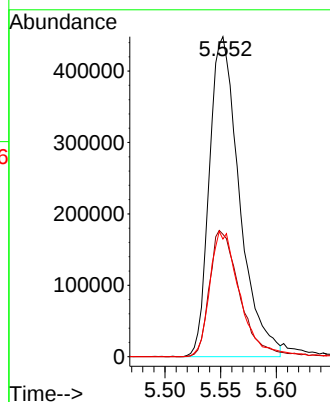
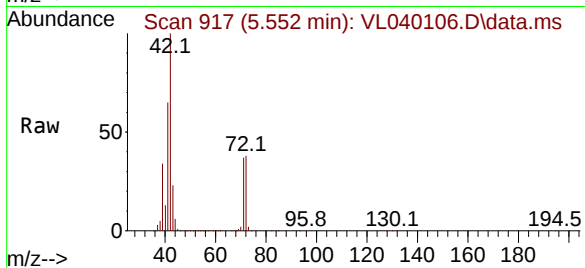
71 39.8 31.4 47.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#42

Bromodichloromethane

Concen: 10.472 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

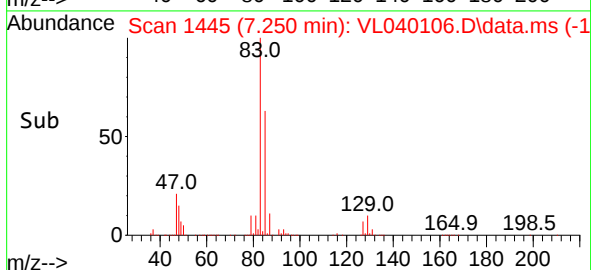
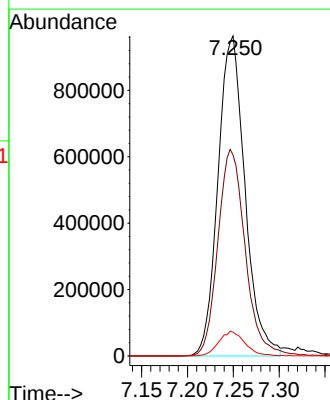
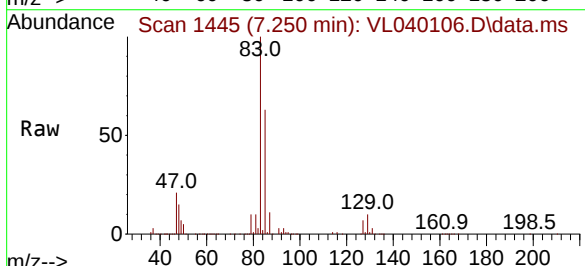
Tgt Ion: 83 Resp: 1975633

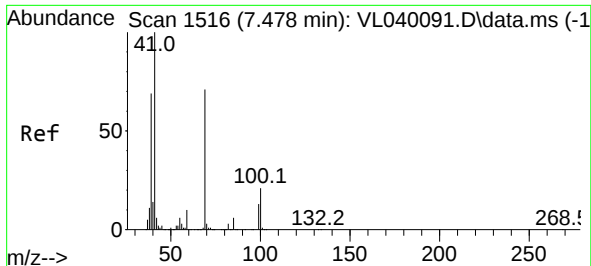
Ion Ratio Lower Upper

83 100

85 62.9 51.7 77.5

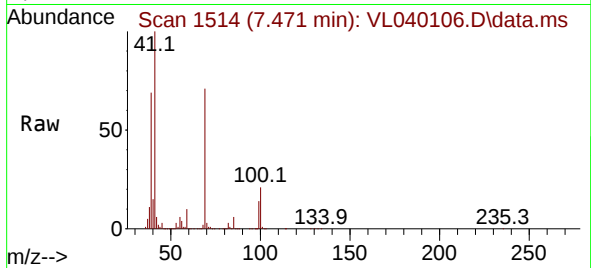
127 7.5 6.2 9.2





#43
Methyl Methacrylate
Concen: 11.186 ppbv
RT: 7.471 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

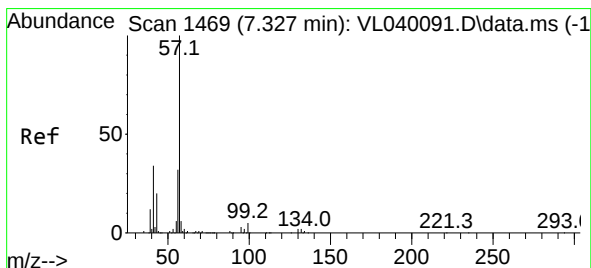
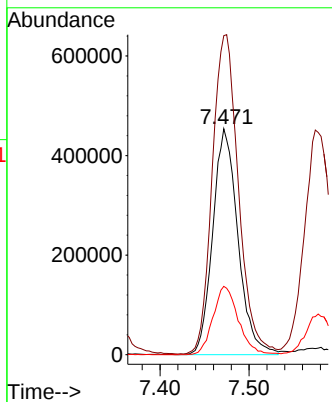
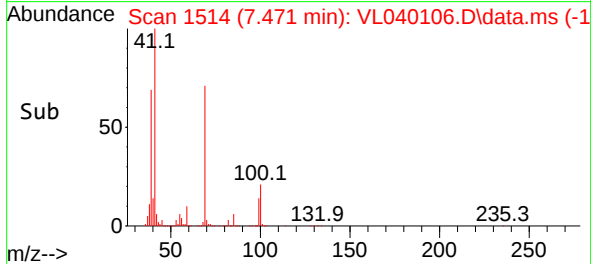
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 69 Resp: 892260
Ion Ratio Lower Upper
69 100
41 147.4 118.2 177.2
100 30.4 24.2 36.4

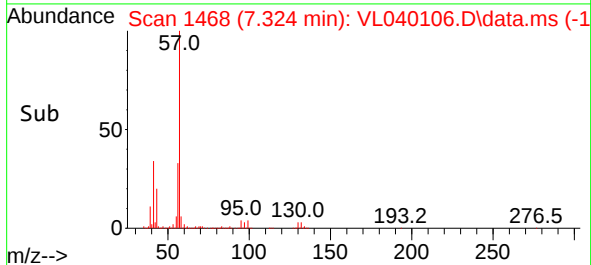
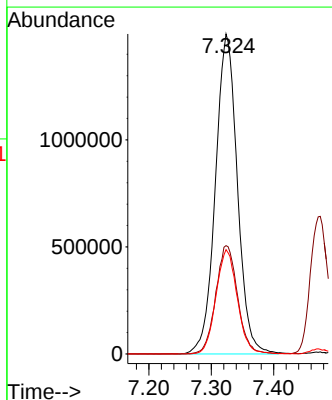
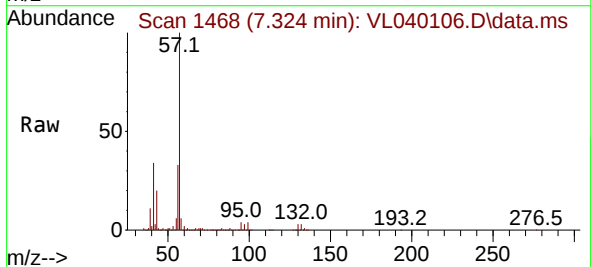
Manual Integrations
APPROVED

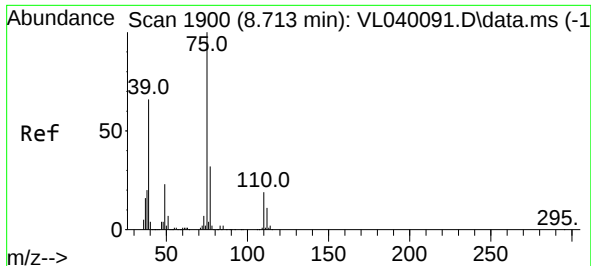
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#44
2,2,4-Trimethylpentane
Concen: 10.105 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion: 57 Resp: 3652559
Ion Ratio Lower Upper
57 100
41 33.6 27.1 40.7
56 31.7 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.261 ppbv

RT: 8.709 min Scan# 1899

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 872110

Ion Ratio Lower Upper

75 100

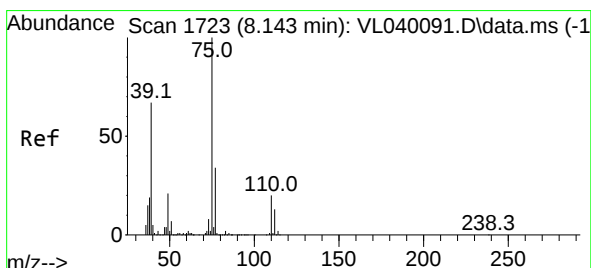
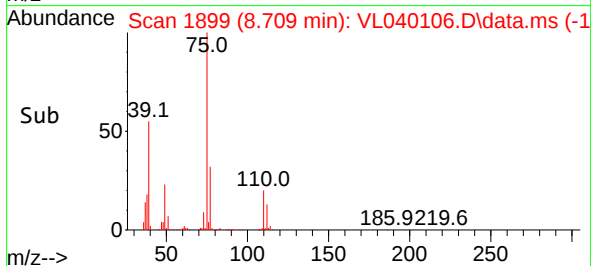
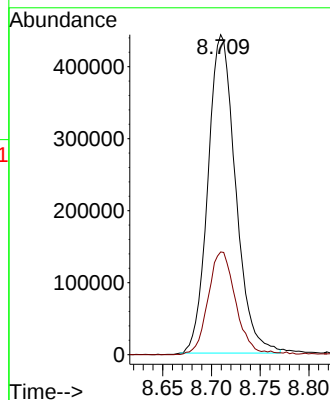
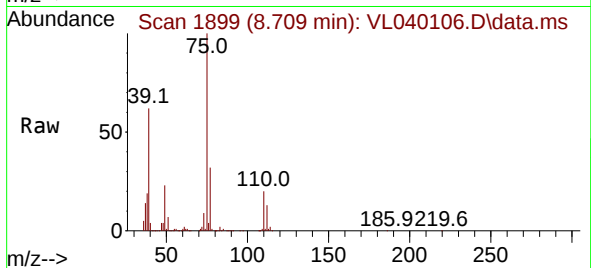
77 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#46

cis-1,3-Dichloropropene

Concen: 12.056 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

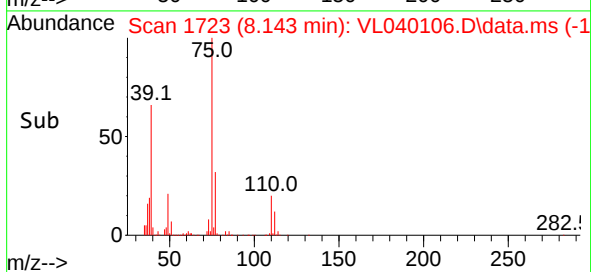
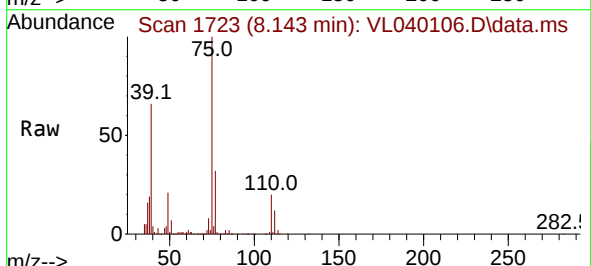
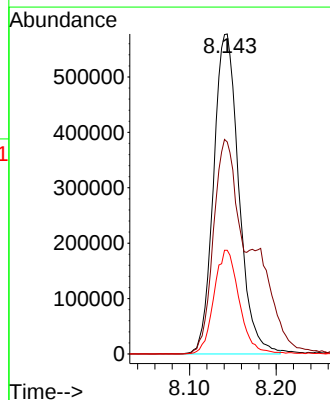
Tgt Ion: 75 Resp: 1171774

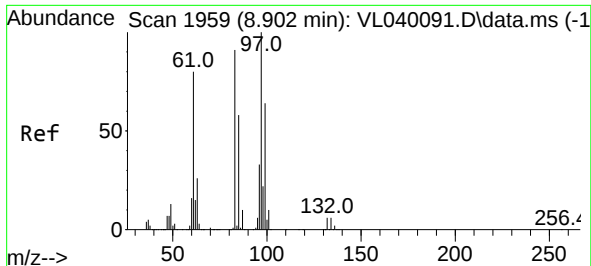
Ion Ratio Lower Upper

75 100

39 66.2 53.6 80.4

77 32.4 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 10.330 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 924650

Ion Ratio Lower Upper

97 100

83 91.0 72.9 109.3

85 62.1 46.0 69.0

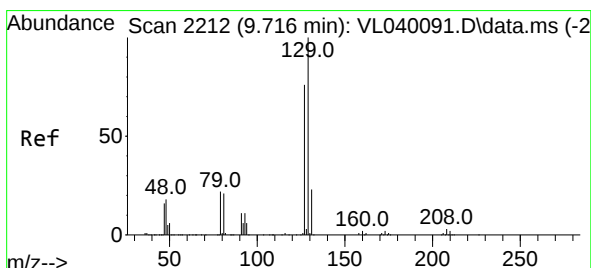
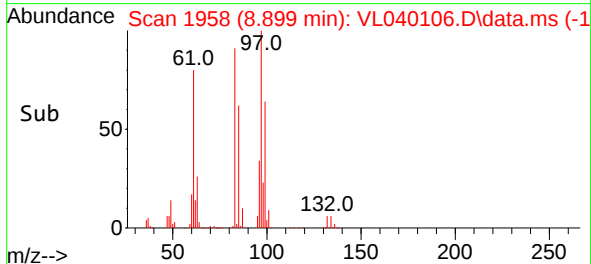
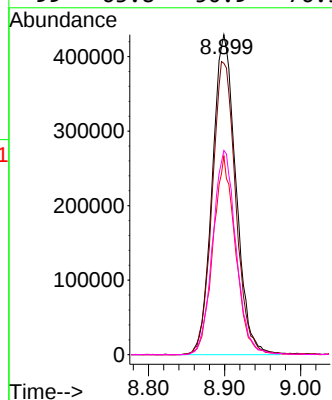
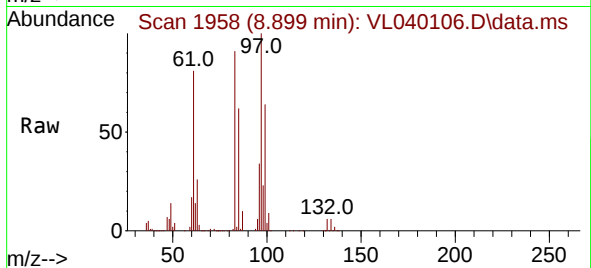
99 63.8 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#48

Dibromochloromethane

Concen: 11.240 ppbv

RT: 9.713 min Scan# 2211

Delta R.T. -0.003 min

Lab File: VL040106.D

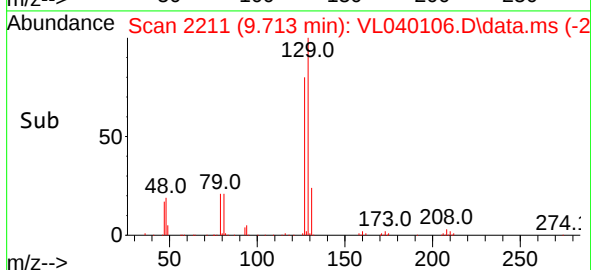
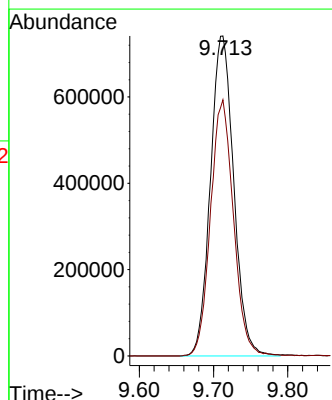
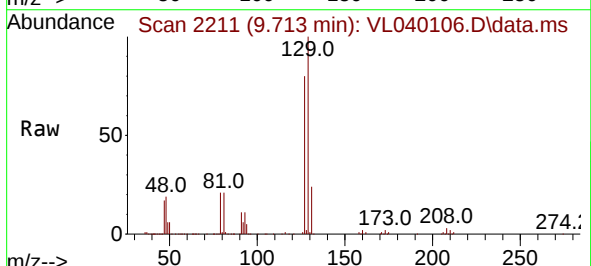
Acq: 19 Jan 2023 10:03

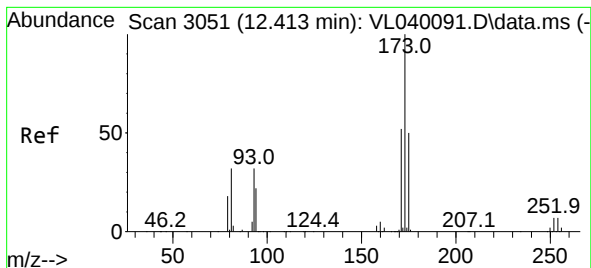
Tgt Ion:129 Resp: 1617023

Ion Ratio Lower Upper

129 100

127 78.8 39.3 117.9





#49

Bromoform

Concen: 11.752 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 130246

Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

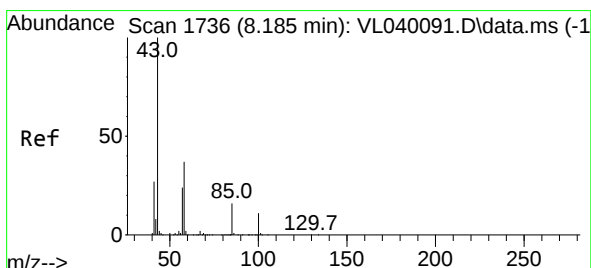
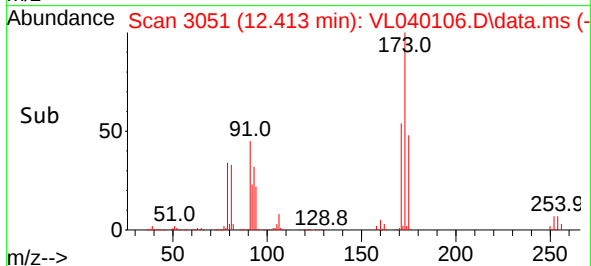
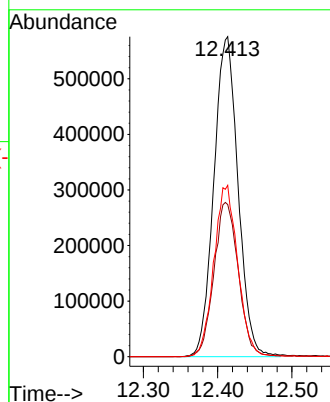
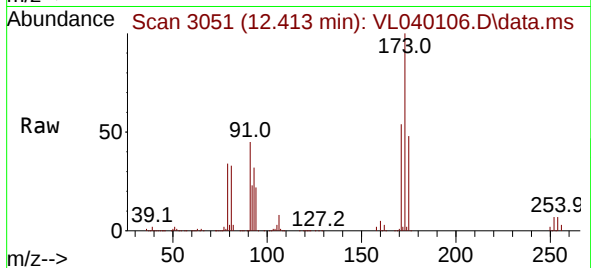
171 53.2 42.2 63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#50

4-Methyl-2-Pentanone

Concen: 10.663 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VL040106.D

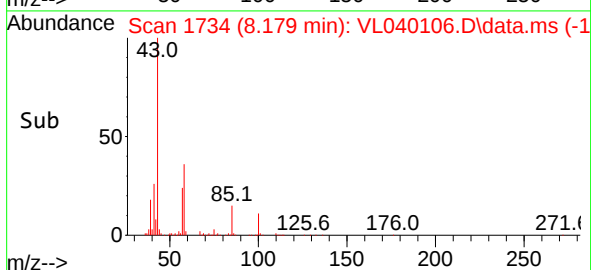
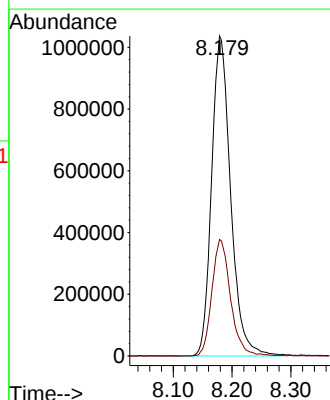
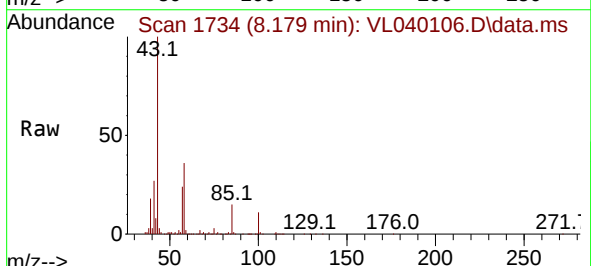
Acq: 19 Jan 2023 10:03

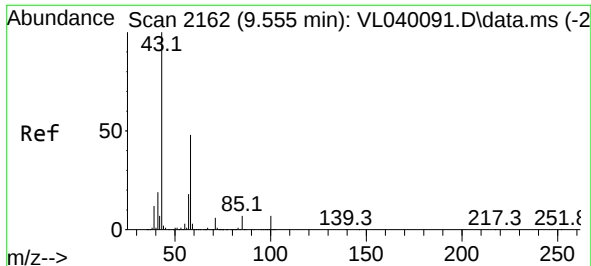
Tgt Ion: 43 Resp: 2330234

Ion Ratio Lower Upper

43 100

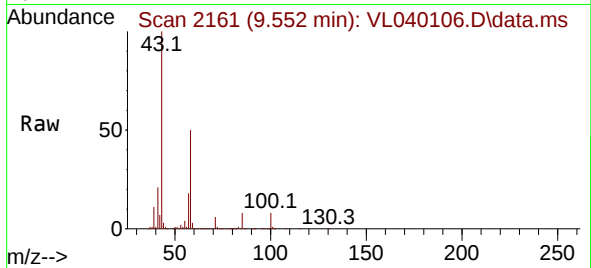
58 35.7 28.8 43.2





#51
2-Hexanone
Concen: 11.012 ppbv
RT: 9.552 min Scan# 2162
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

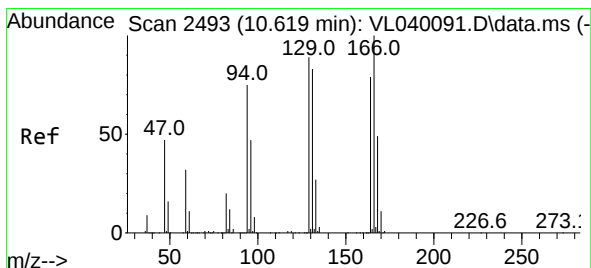
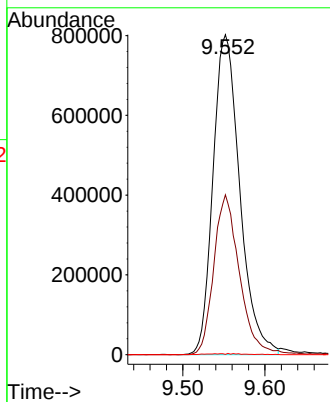
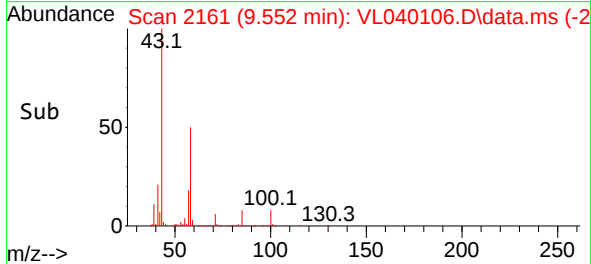
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



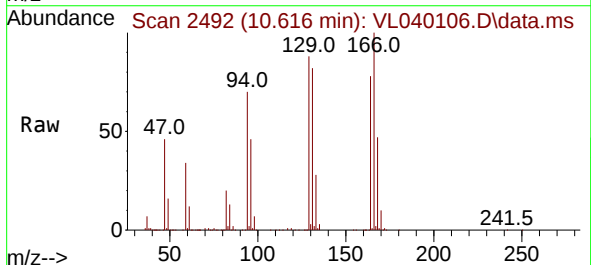
Tgt Ion: 43 Resp: 182317
Ion Ratio Lower Upper
43 100
58 48.2 37.5 56.3
98 0.3 0.4 0.6

Manual Integrations
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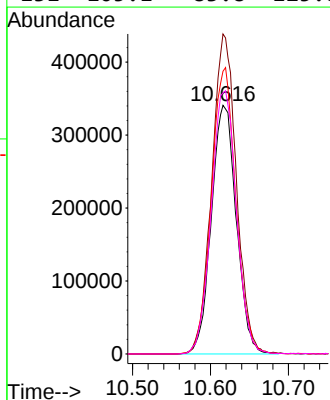
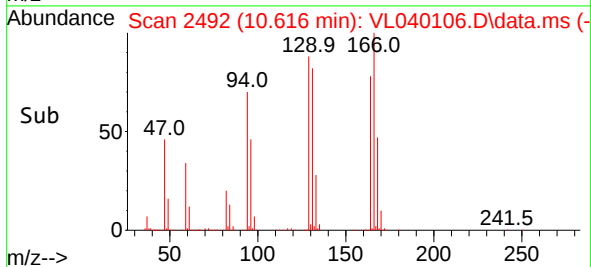
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

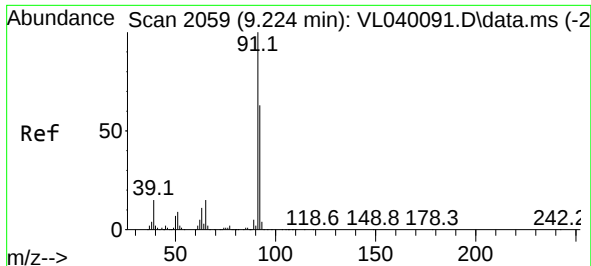


#52
Tetrachloroethene
Concen: 10.663 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



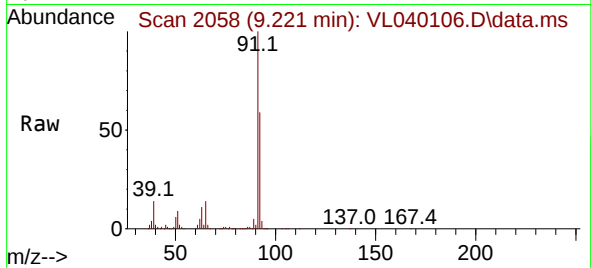
Tgt Ion:164 Resp: 758200
Ion Ratio Lower Upper
164 100
166 128.7 101.2 151.8
129 113.7 90.2 135.2
131 105.1 83.8 125.8





#53
Toluene
Concen: 10.922 ppbv
RT: 9.221 min Scan# 2059
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

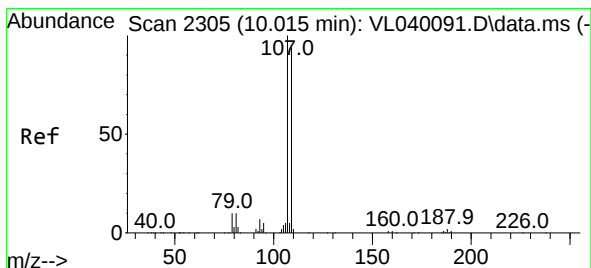
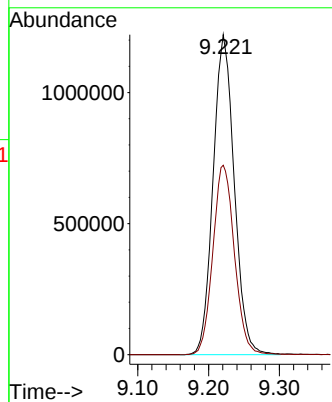
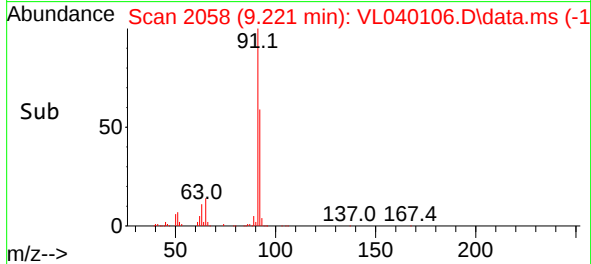
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 253208
Ion Ratio Lower Upper
91 100
92 60.5 48.3 72.5

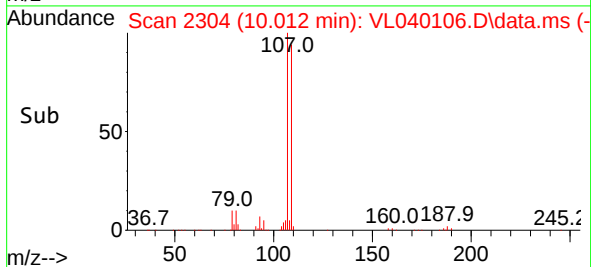
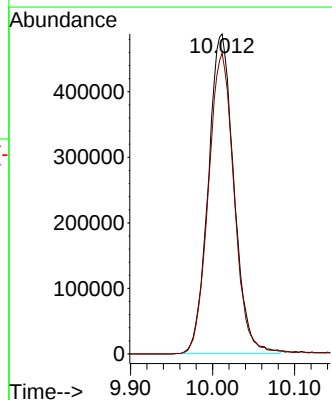
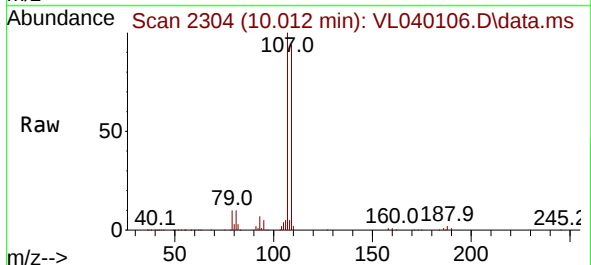
Manual Integrations
APPROVED

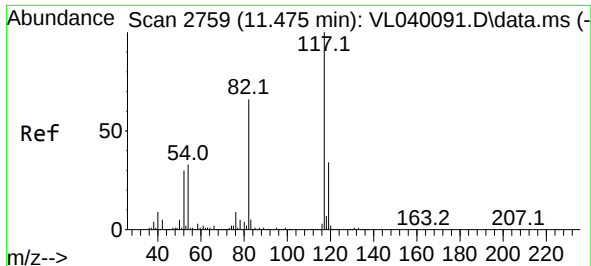
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#54
1,2-Dibromoethane
Concen: 11.296 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion:107 Resp: 1058641
Ion Ratio Lower Upper
107 100
109 93.8 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 11.468 min Scan# 2759

Delta R.T. -0.006 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

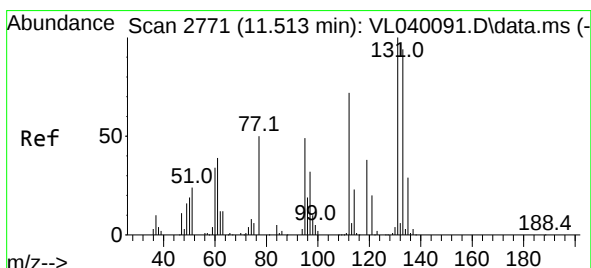
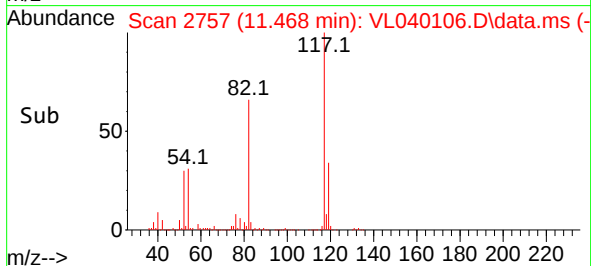
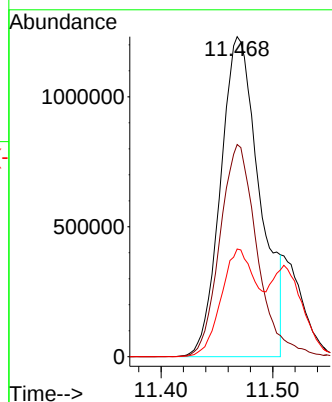
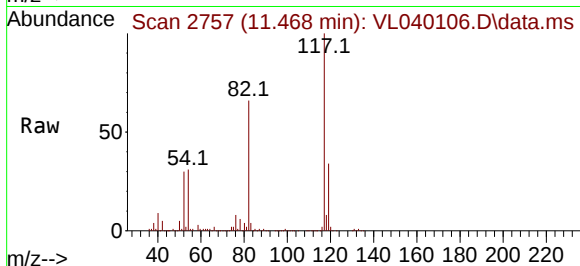
Tgt Ion:117 Resp: 299924

Ion	Ratio	Lower	Upper
117	100		
82	63.8	54.4	81.6
119	29.7	26.8	40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#56

1,1,1,2-Tetrachloroethane

Concen: 9.703 ppbv

RT: 11.513 min Scan# 2771

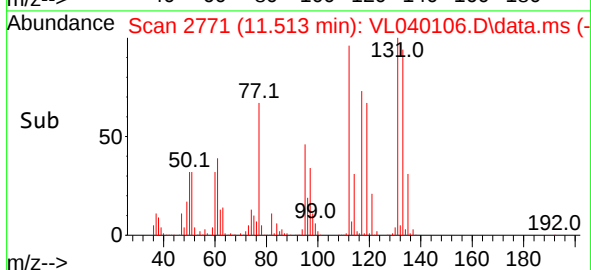
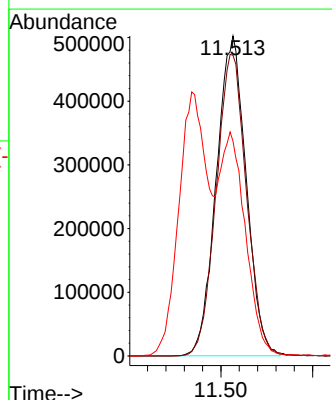
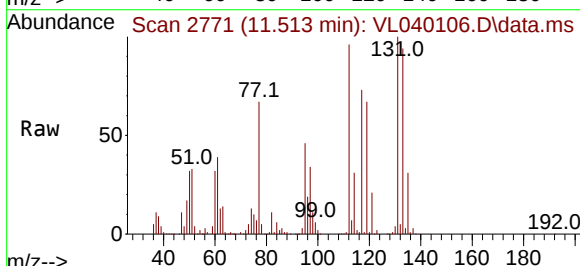
Delta R.T. 0.000 min

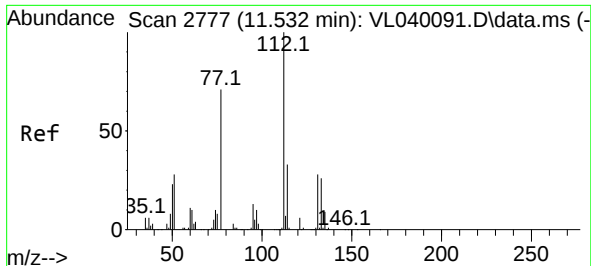
Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Tgt Ion:131 Resp: 1132683

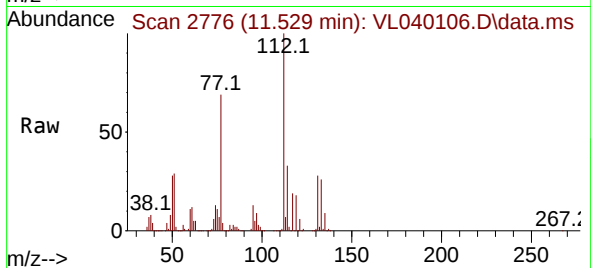
Ion	Ratio	Lower	Upper
131	100		
133	96.0	75.6	113.4
119	65.0	47.2	70.8





#57
Chlorobenzene
Concen: 9.624 ppbv
RT: 11.529 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

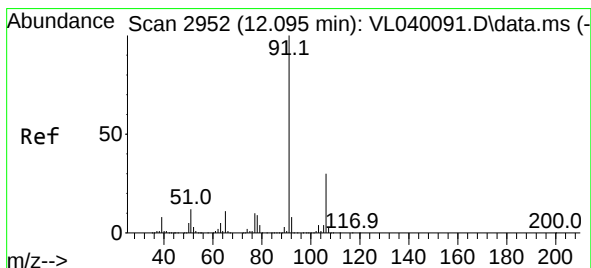
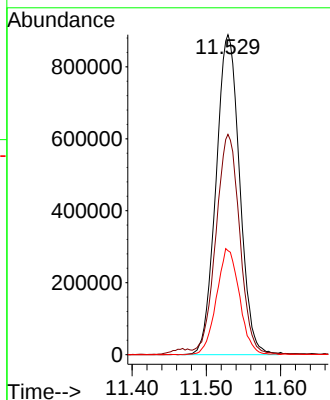
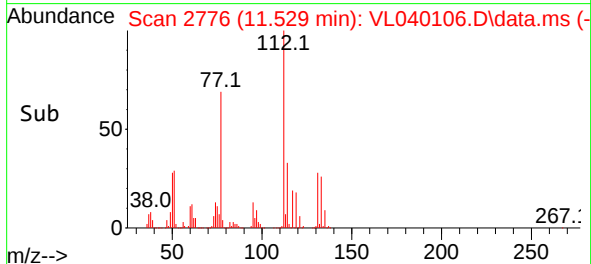
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:112 Resp: 196748
Ion Ratio Lower Upper
112 100
77 68.4 57.3 85.9
114 32.5 29.6 36.2

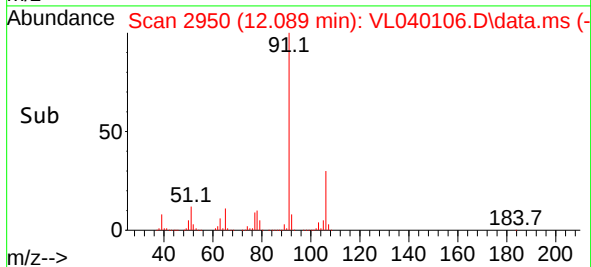
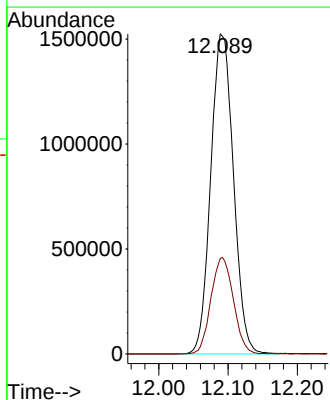
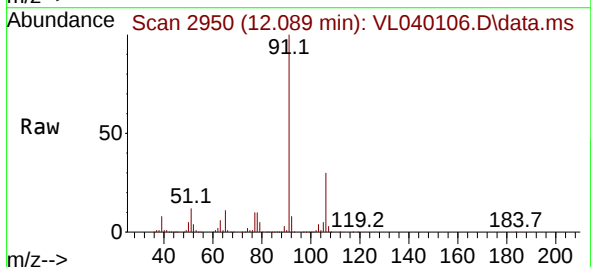
Manual Integrations
APPROVED

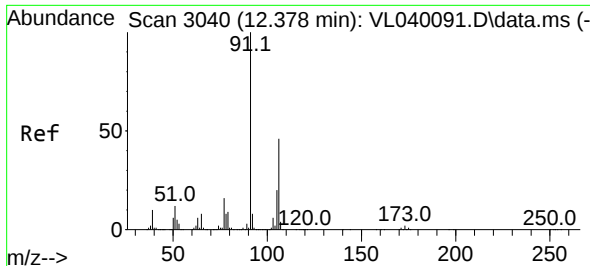
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#58
Ethyl Benzene
Concen: 10.381 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

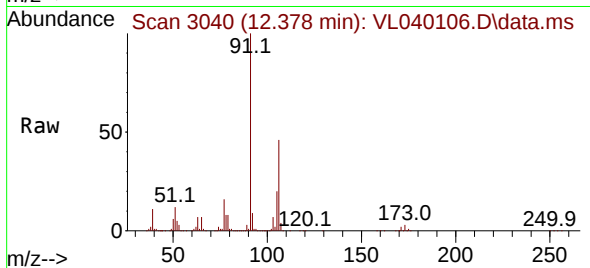
Tgt Ion: 91 Resp: 3474691
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5





#59
m/p-Xylene
Concen: 19.975 ppbv m
RT: 12.378 min Scan# 3040
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

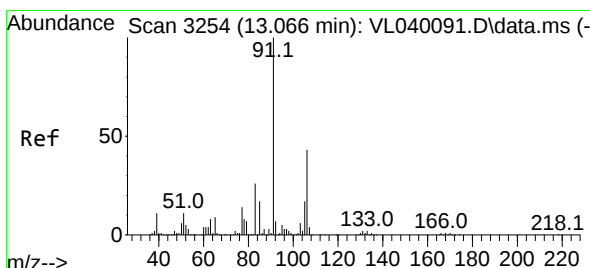
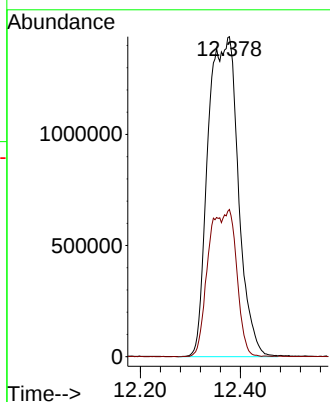
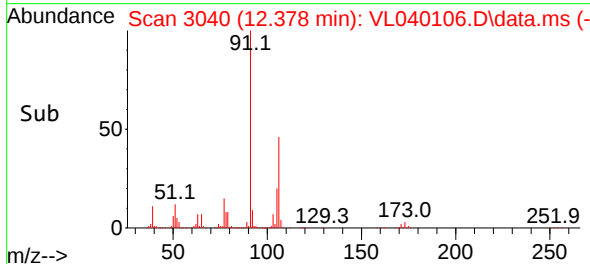
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



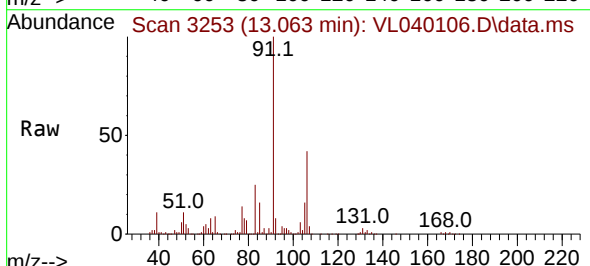
Tgt Ion: 91 Resp: 601120
Ion Ratio Lower Upper
91 100
106 43.0 34.2 51.4

Manual Integrations
APPROVED

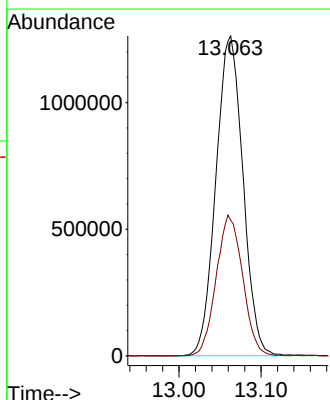
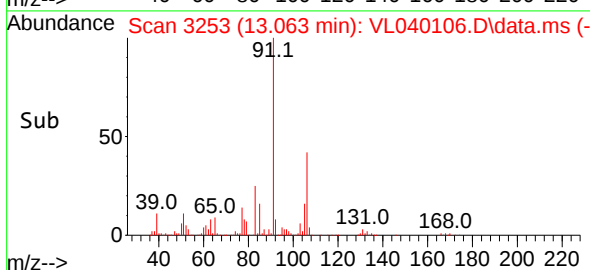
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

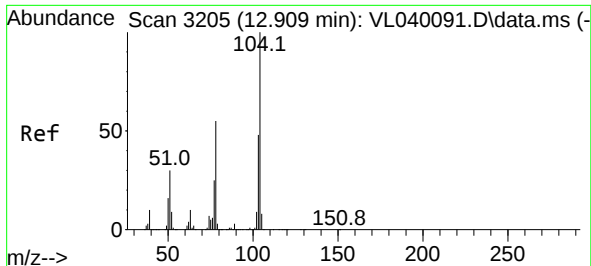


#60
o-Xylene
Concen: 10.138 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



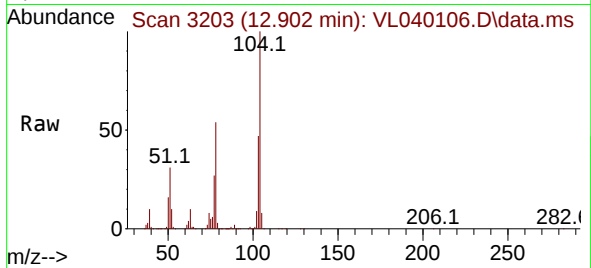
Tgt Ion: 91 Resp: 2895884
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





#61
Styrene
Concen: 11.295 ppbv
RT: 12.902 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

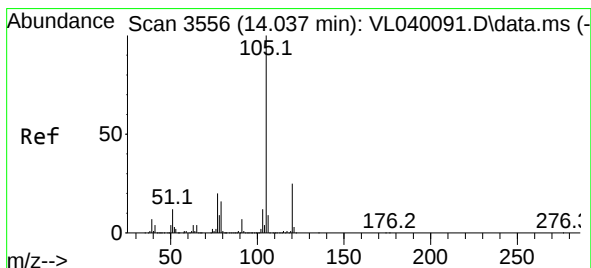
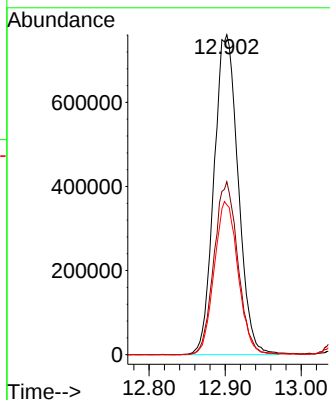
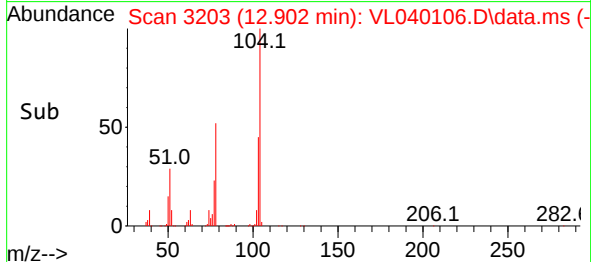
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



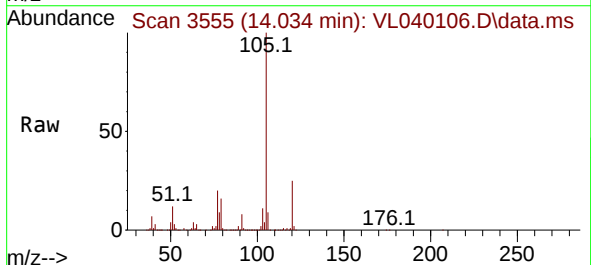
Tgt Ion:104 Resp: 1681220
Ion Ratio Lower Upper
104 100
78 53.4 44.0 66.0
103 47.5 37.8 56.6

Manual Integrations
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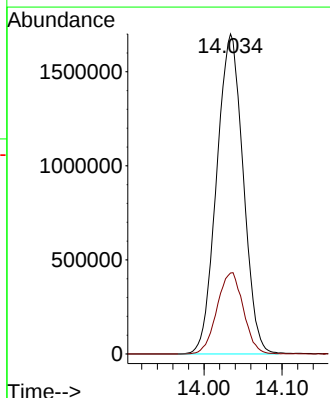
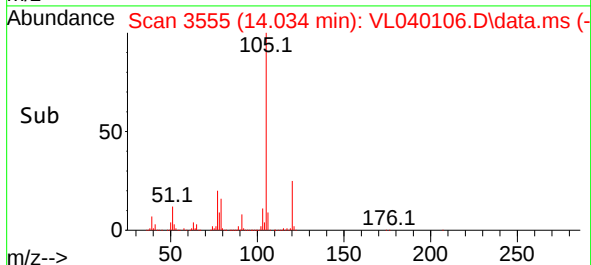
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

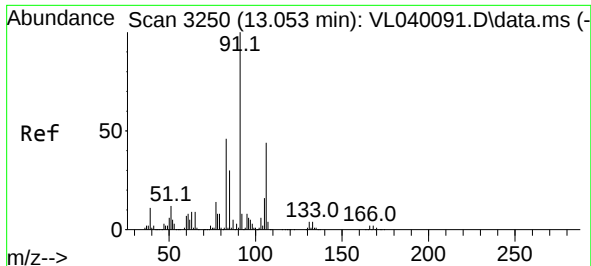


#62
Isopropylbenzene
Concen: 9.790 ppbv
RT: 14.034 min Scan# 3555
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



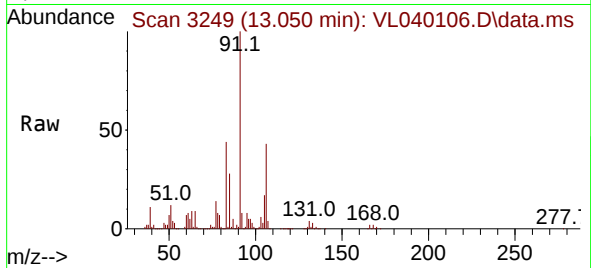
Tgt Ion:105 Resp: 4022295
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 9.400 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

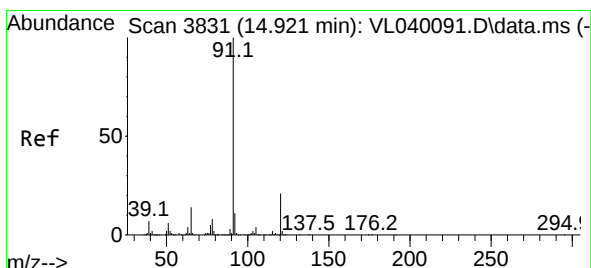
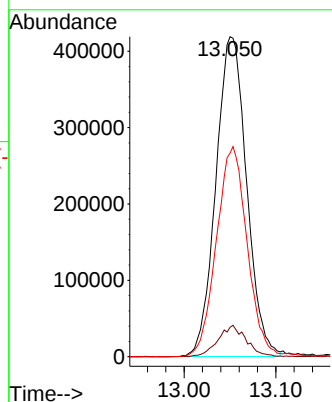
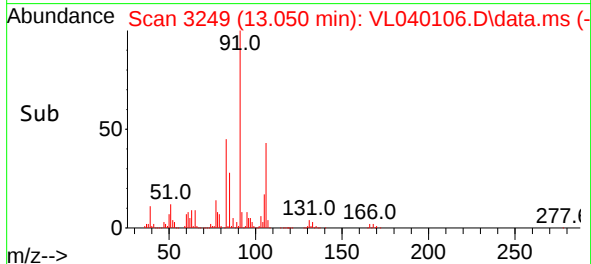
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



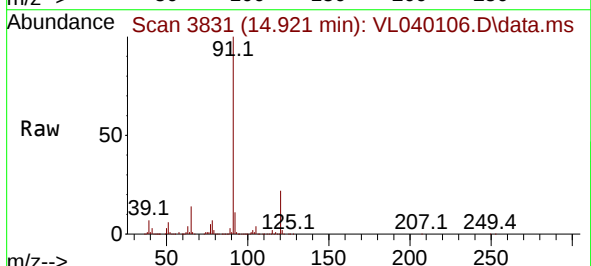
Tgt Ion: 83 Resp: 975000
Ion Ratio Lower Upper
83 100
131 9.1 4.3 13.1
85 66.2 32.5 97.5

Manual Integrations
APPROVED

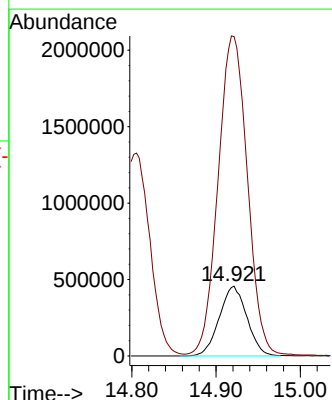
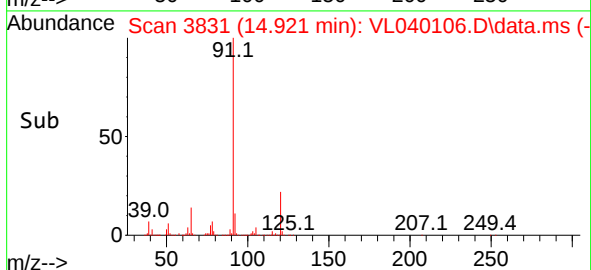
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

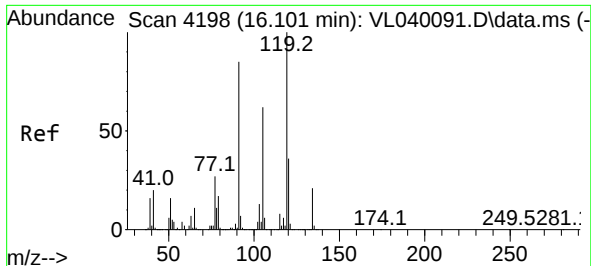


#64
n-propylbenzene
Concen: 10.166 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. 0.000 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03



Tgt Ion:120 Resp: 1038298
Ion Ratio Lower Upper
120 100
91 488.2 397.0 595.4





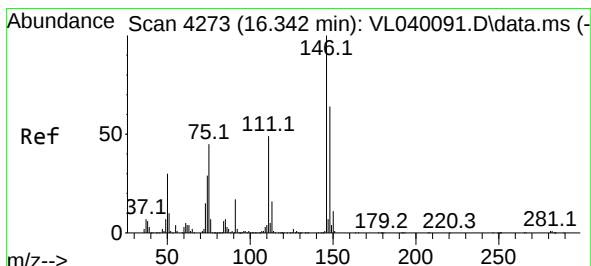
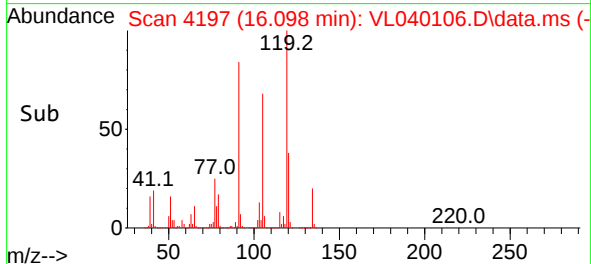
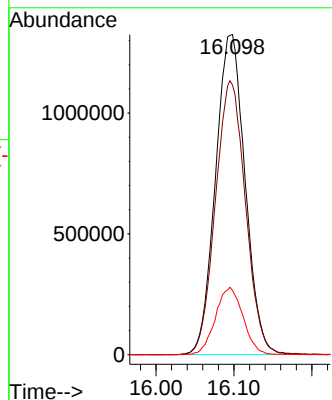
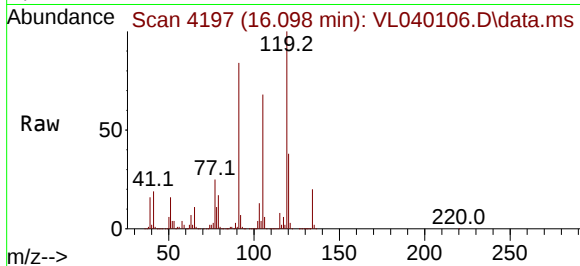
#65
tert-Butylbenzene
Concen: 9.922 ppbv
RT: 16.098 min Scan# 4198
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 349032
Ion Ratio Lower Upper
119 100
91 87.2 69.5 104.3
134 19.7 15.8 23.8

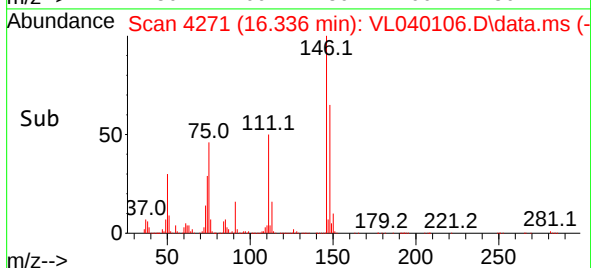
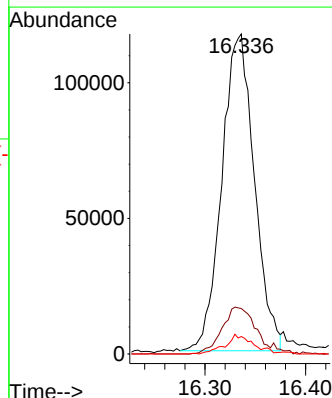
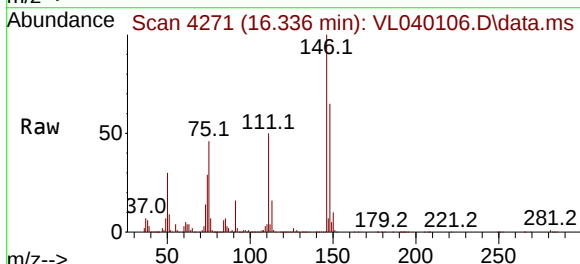
Manual Integrations
APPROVED

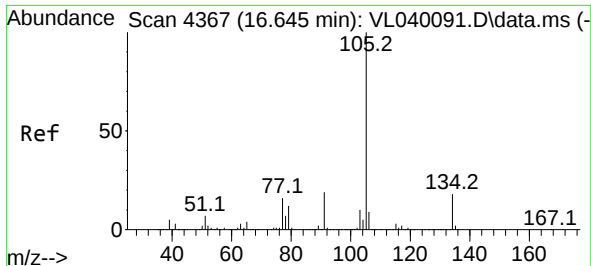
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#66
Benzyl Chloride
Concen: 10.934 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion: 91 Resp: 262850
Ion Ratio Lower Upper
91 100
126 15.8 11.5 17.3
128 5.5 0.0 0.0#





#67

sec-Butylbenzene

Concen: 9.947 ppbv

RT: 16.642 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 496030

Ion Ratio Lower Upper

105 100

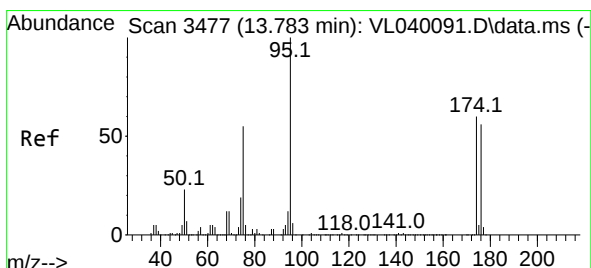
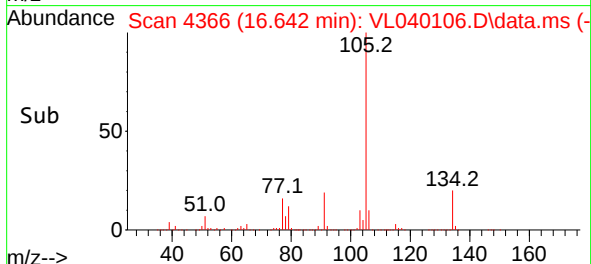
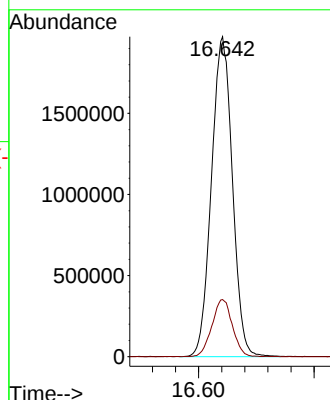
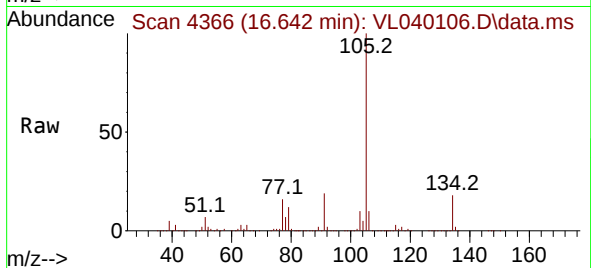
134 17.5 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.484 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

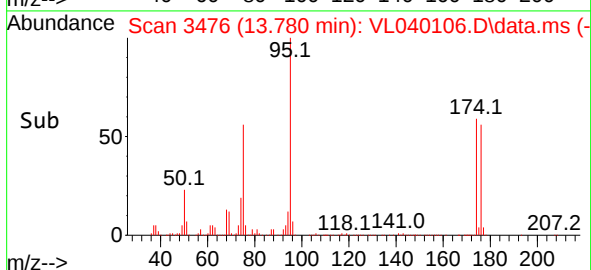
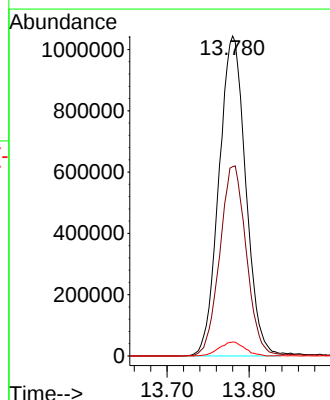
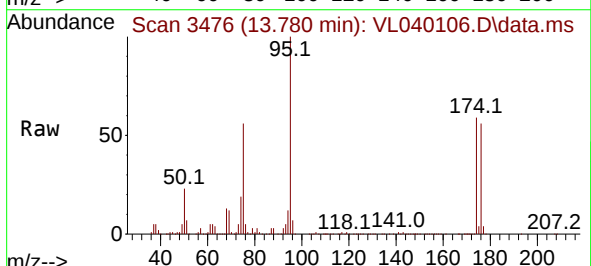
Tgt Ion: 95 Resp: 2364098

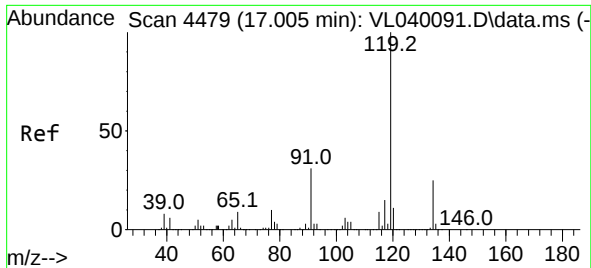
Ion Ratio Lower Upper

95 100

174 59.5 47.7 71.5

175 4.3 3.4 5.2





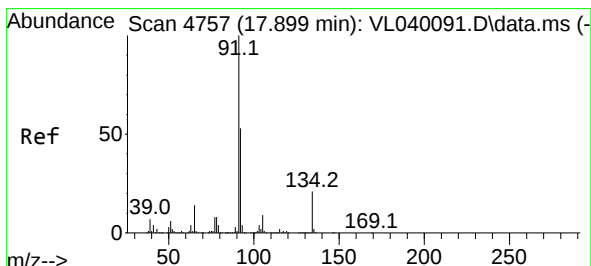
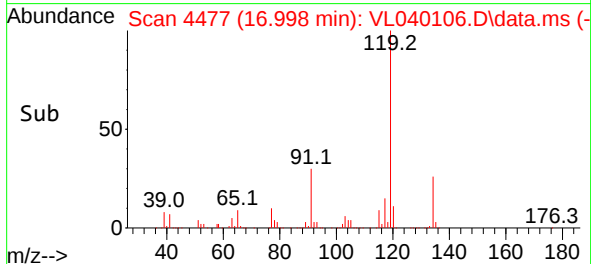
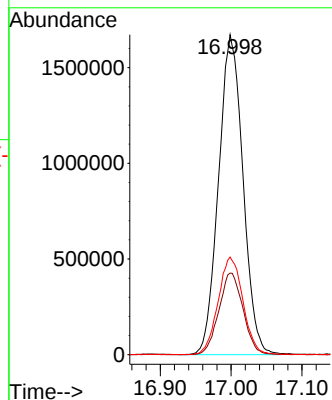
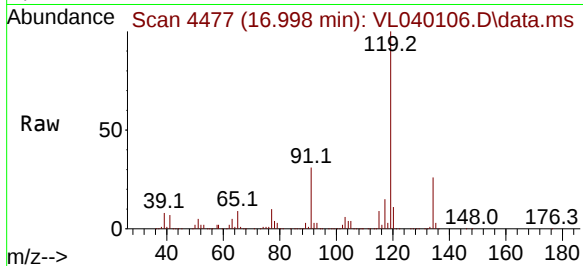
#69
p-Isopropyltoluene
Concen: 10.205 ppbv
RT: 16.998 min Scan# 4479
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3999260
Ion Ratio Lower Upper
119 100
134 25.3 20.1 30.1
91 30.9 25.0 37.4

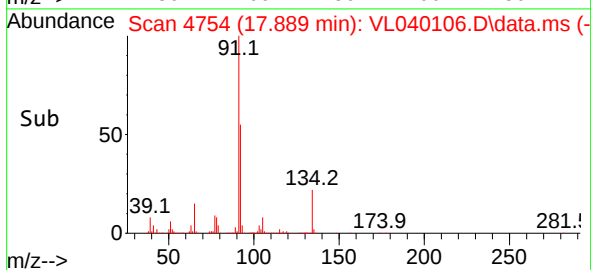
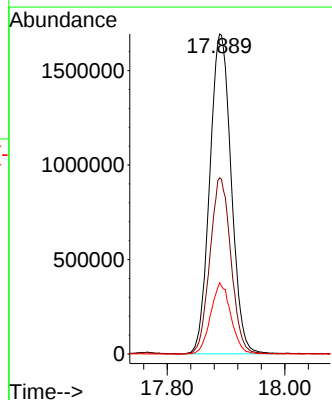
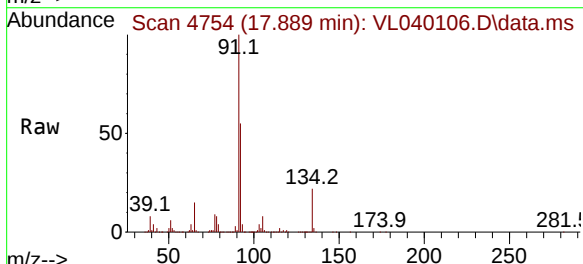
Manual Integrations
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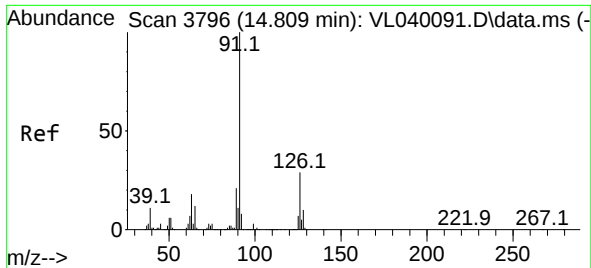
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#70
n-Butylbenzene
Concen: 10.136 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.010 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion: 91 Resp: 4283561
Ion Ratio Lower Upper
91 100
92 54.0 42.8 64.2
134 21.0 16.9 25.3





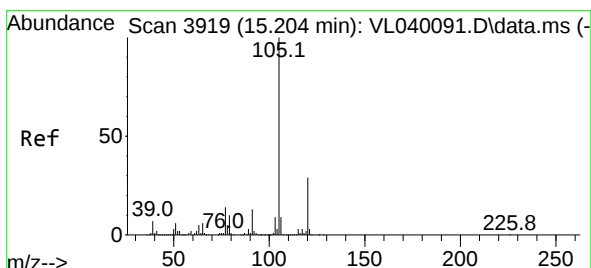
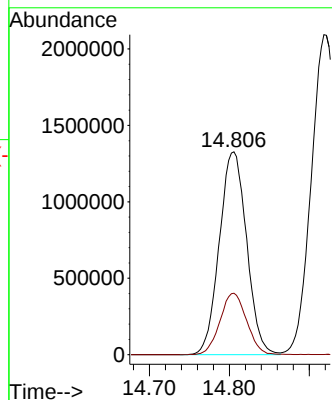
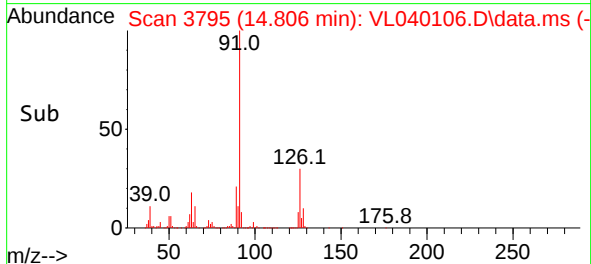
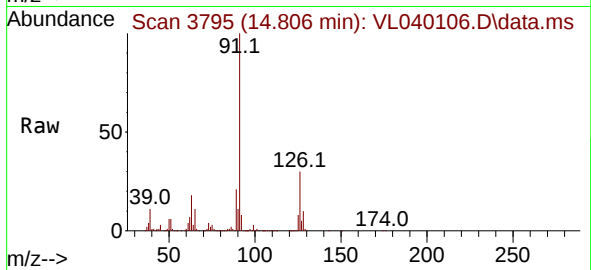
#71
2-Chlorotoluene
Concen: 9.948 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 314367
Ion Ratio Lower Upper
91 100
126 29.8 11.9 47.5

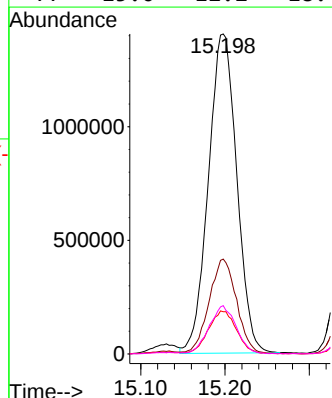
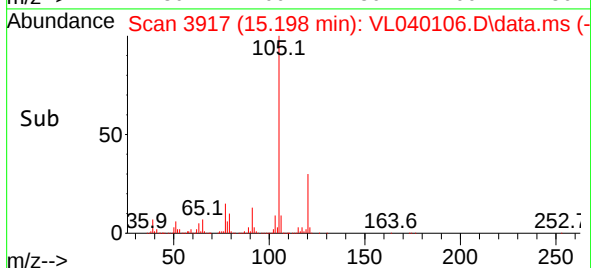
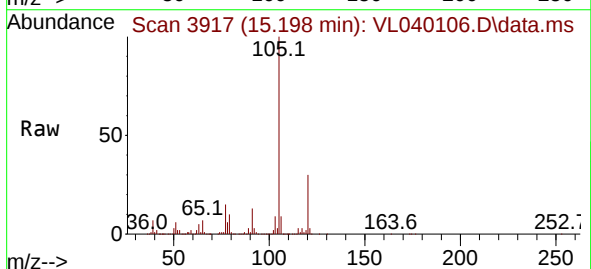
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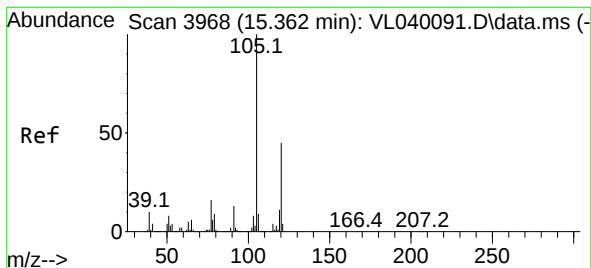
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#72
4-Ethyltoluene
Concen: 10.373 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Tgt Ion:105 Resp: 3287954
Ion Ratio Lower Upper
105 100
120 29.9 23.1 34.7
91 14.1 11.2 16.8
77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.225 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.006 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 2918270

Ion Ratio Lower Upper

105 100

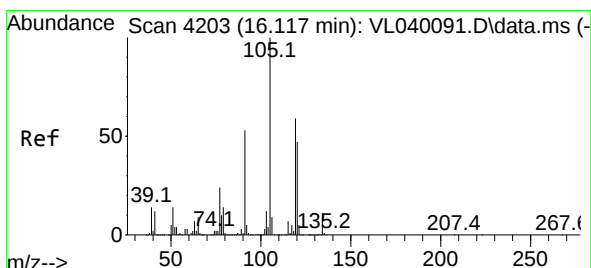
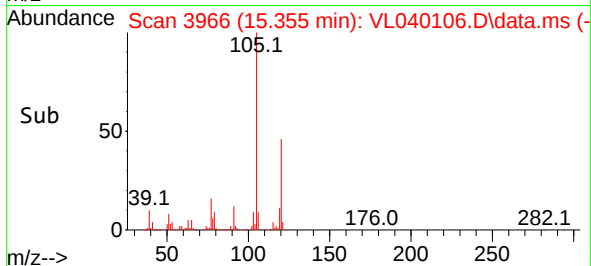
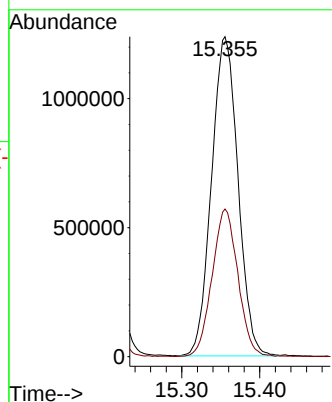
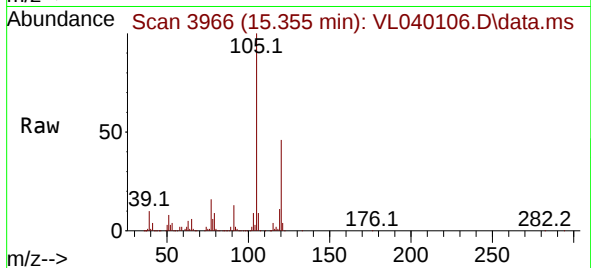
120 46.1 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.944 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Tgt Ion:105 Resp: 3143899

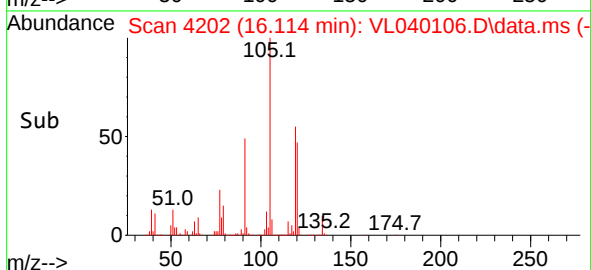
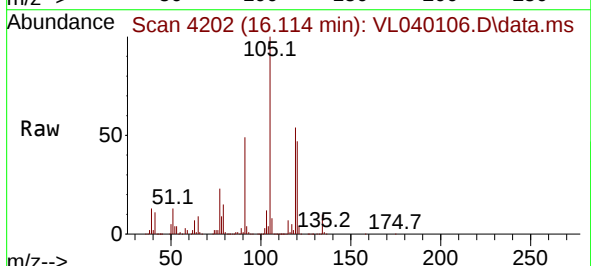
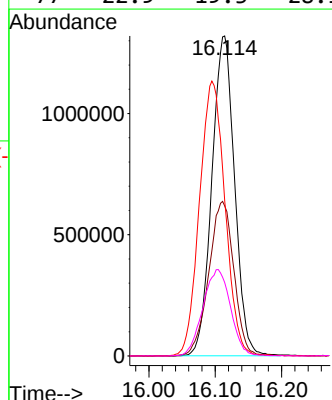
Ion Ratio Lower Upper

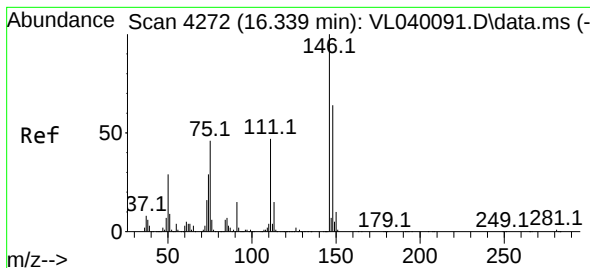
105 100

120 46.8 38.0 57.0

91 48.5 42.1 63.1

77 22.9 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 9.970 ppbv

RT: 16.339 min Scan# 4315

Delta R.T. 0.000 min

Lab File: VL040106.D

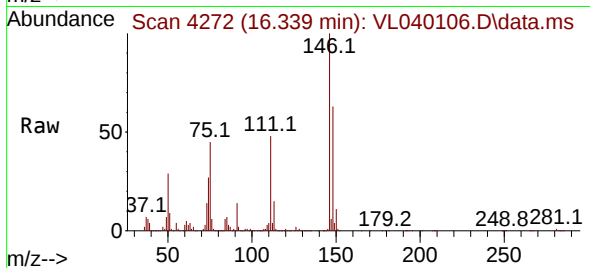
Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:146 Resp: 1750650

Ion Ratio Lower Upper

146 100

111 48.4 24.3 73.0

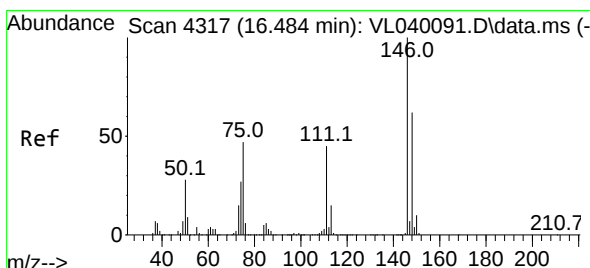
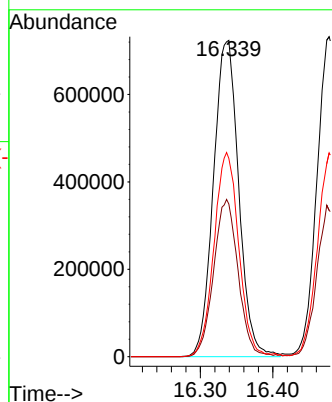
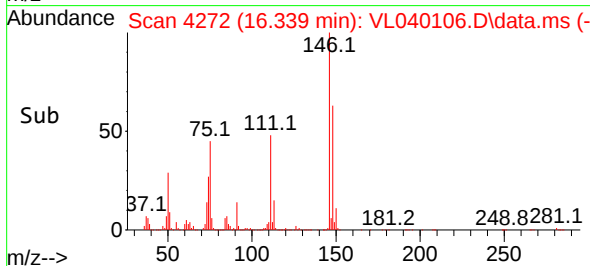
148 63.5 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#76

1,4-Dichlorobenzene

Concen: 9.789 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. -0.006 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

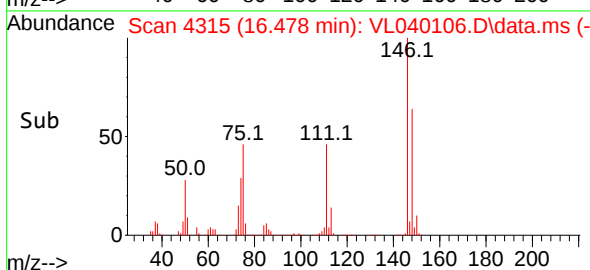
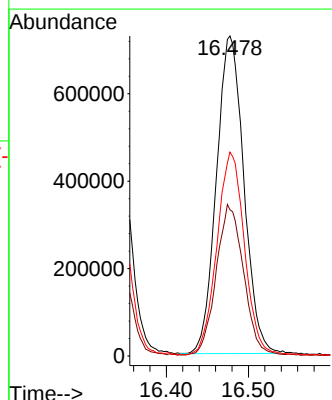
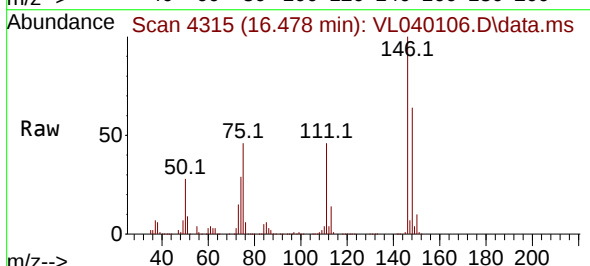
Tgt Ion:146 Resp: 1689970

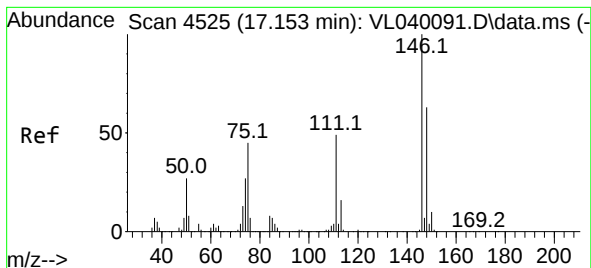
Ion Ratio Lower Upper

146 100

111 48.3 23.8 71.2

148 65.4 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 9.892 ppbv

RT: 17.150 min Scan# 4525

Delta R.T. -0.003 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1661098

Ion Ratio Lower Upper

146 100

111 49.8 25.1 75.2

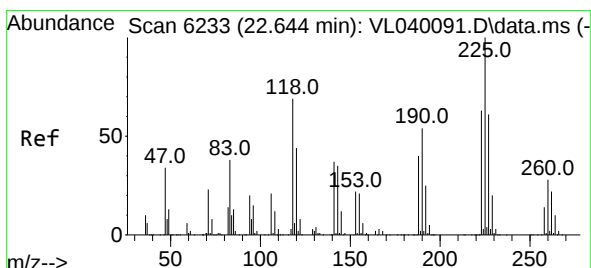
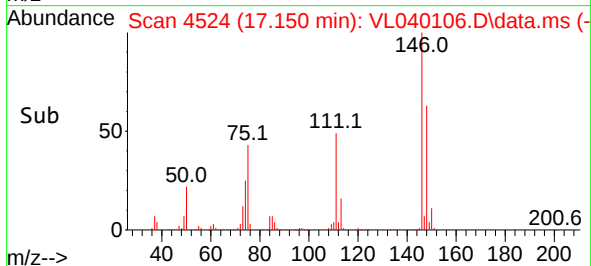
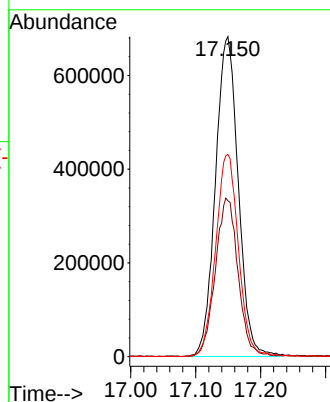
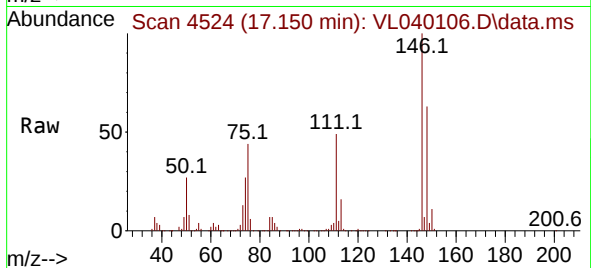
148 63.2 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#78

Hexachloro-1,3-Butadiene

Concen: 8.806 ppbv m

RT: 22.645 min Scan# 6233

Delta R.T. 0.000 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

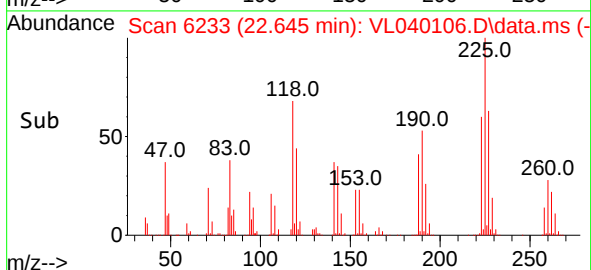
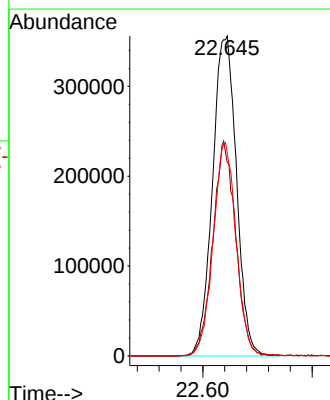
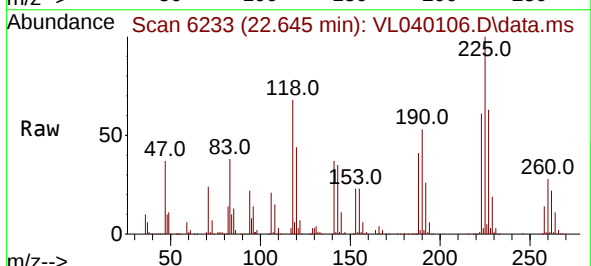
Tgt Ion:225 Resp: 1083095

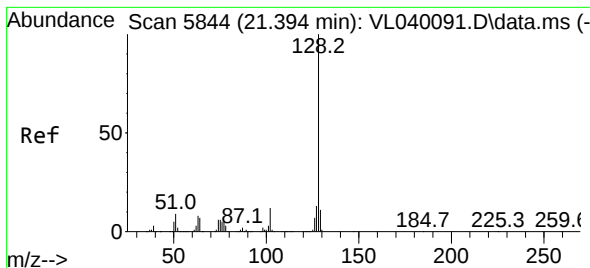
Ion Ratio Lower Upper

225 100

223 63.9 51.5 77.3

227 0.0 50.6 76.0#





#79

Naphthalene

Concen: 12.450 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. -0.006 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 225474

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

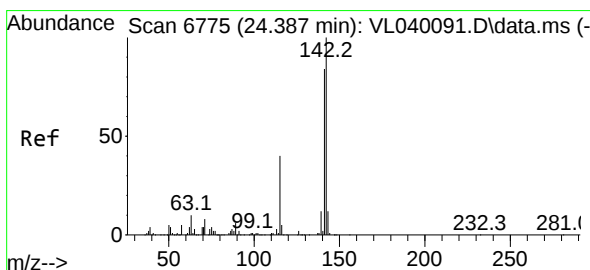
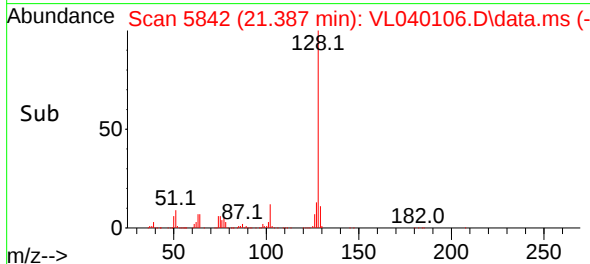
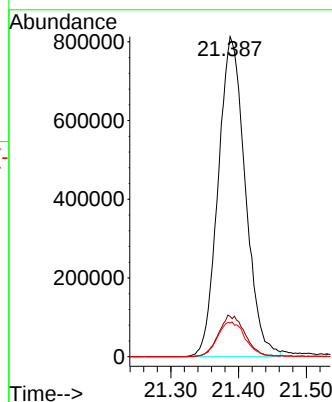
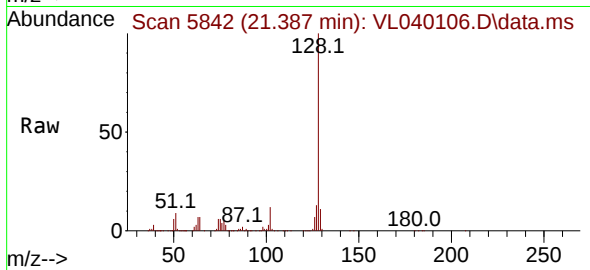
129 10.6 8.8 13.2

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#80

Naphthalene,2-methyl-

Concen: 11.381 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. -0.010 min

Lab File: VL040106.D

Acq: 19 Jan 2023 10:03

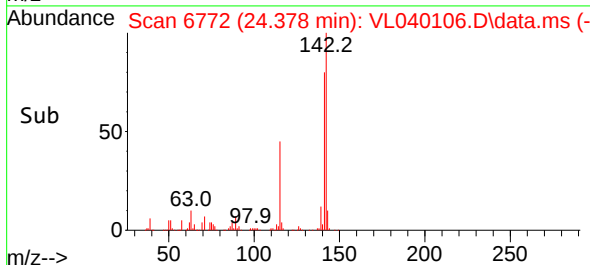
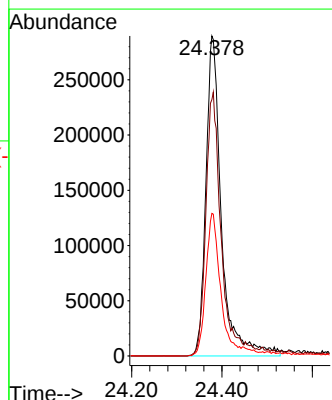
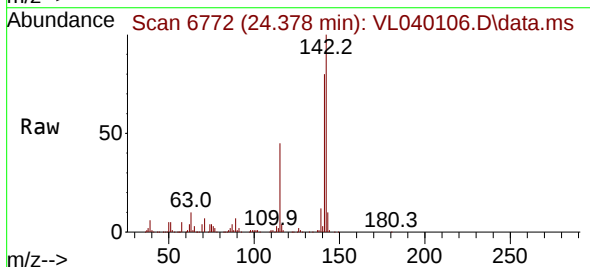
Tgt Ion:142 Resp: 694538

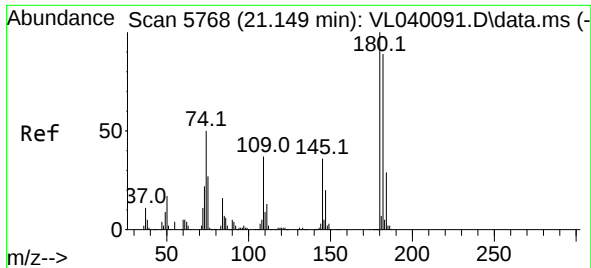
Ion Ratio Lower Upper

142 100

141 83.0 65.0 97.6

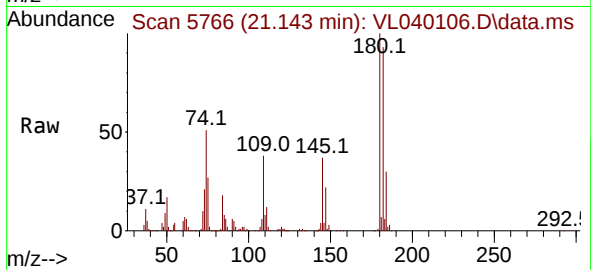
115 44.8 31.8 47.8





#81
1,2,4-Trichlorobenzene
Concen: 10.421 ppbv
RT: 21.143 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL040106.D
Acq: 19 Jan 2023 10:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:180 Resp: 1163270
Ion Ratio Lower Upper
180 100
182 96.0 78.6 117.8
184 31.1 25.1 37.7

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