

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040760.D
 Acq On : 11 Oct 2023 15:51
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 16:21:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Wed Oct 11 14:34:59 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1067156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2977892	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2977568	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2154780 9.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	2617160	11.131	ppbv	98
3) Chlorodifluoromethane	2.709	51	2179118	12.534	ppbv	100
4) Chloromethane	2.845	50	874912	13.145	ppbv	99
5) Vinyl Chloride	2.954	62	879572	11.182	ppbv	96
6) Bromomethane	3.150	94	390536	10.290	ppbv	99
7) Chloroethane	3.227	64	301108	11.145	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1960689	10.101	ppbv	96
9) Propene	2.729	41	824359	16.460	ppbv	97
10) Heptane	7.597	43	2031597	18.002	ppbv	100
11) Trichlorofluoromethane	3.591	101	2067091	10.000	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.092	101	1467962	9.928	ppbv	100
13) Ethanol	3.272	45	163613	11.037	ppbv	97
14) Bromoethene	3.394	108	643226	10.372	ppbv	97
15) Acetone	3.494	43	1486178	10.558	ppbv	99
16) 1,3-Butadiene	3.015	39	853938	13.920	ppbv	99
17) tert-Butyl alcohol	3.906	59	1414607	9.811	ppbv	100
18) 1,1-Dichloroethene	3.906	96	666766	10.145	ppbv	99
19) Isopropyl Alcohol	3.603	45	949716	11.197	ppbv	92
20) Methylene Chloride	3.960	84	549504	7.253	ppbv	94
21) Allyl Chloride	4.021	41	1068129	12.382	ppbv	99
22) trans-1,2-Dichloroethene	4.471	96	853209	13.130	ppbv	98
23) Vinyl Acetate	4.652	43	2479878	17.035	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1856515	13.628	ppbv	98
25) Ethyl Acetate	5.227	43	3387780	14.923	ppbv	100
26) Hexane	5.237	57	1505796	14.027	ppbv	99
27) Carbon Disulfide	4.150	76	1778268	11.879	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	1544387	16.721	ppbv	98
29) Chloroform	5.298	83	2300721	12.413	ppbv	98
30) Cyclohexane	6.623	84	1316698	16.288	ppbv	98
31) cis-1,2-Dichloroethene	5.102	61	1542498	15.487	ppbv	99
32) 1,1,1-Trichloroethane	6.024	97	2336836	12.332	ppbv	99
34) 2-Butanone	4.809	43	2141636	14.300	ppbv	97
35) Carbon Tetrachloride	6.513	117	2443629	11.951	ppbv	97
36) Benzene	6.391	78	3219244	14.599	ppbv	100
37) 1,2-Dichloroethane	5.832	62	1739732	11.527	ppbv	99
38) Trichloroethene	7.311	130	1263778	15.028	ppbv	98
39) 1,2-Dichloropropane	7.092	63	1265293	14.907	ppbv	100
40) 1,4-Dioxane	7.301	88	468819	14.610	ppbv #	52
41) Tetrahydrofuran	5.578	42	1382163	17.998	ppbv	99
42) Bromodichloromethane	7.269	83	2550114	12.384	ppbv	98
43) Methyl Methacrylate	7.494	69	1350177	16.473	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	5169123	14.722	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1195669	18.812	ppbv	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

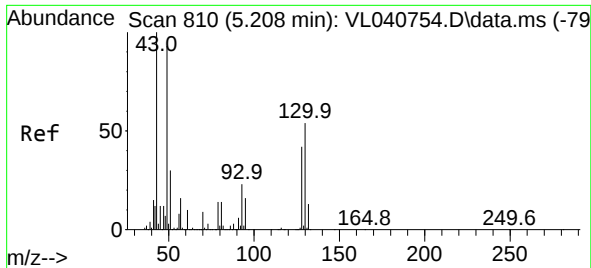
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Oct 11 14:34:59 2023

Response via : Initial Calibration

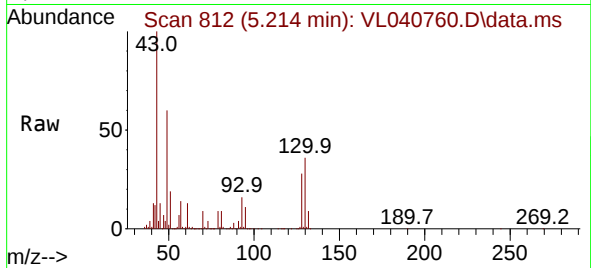
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1352875	17.397	ppbv	98
47) 1,1,2-Trichloroethane	8.918	97	1329789	13.651	ppbv	98
48) Dibromochloromethane	9.729	129	2340656	14.566	ppbv	100
49) Bromoform	12.423	173	1971116	14.936	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	3280519	16.210	ppbv	100
51) 2-Hexanone	9.565	43	2506096	17.942	ppbv #	99
52) Tetrachloroethene	10.632	164	1226536	17.051	ppbv	97
53) Toluene	9.237	91	3744491	16.084	ppbv	100
54) 1,2-Dibromoethane	10.028	107	1949799	15.682	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	1664595	11.728	ppbv	96
57) Chlorobenzene	11.545	112	2852906	12.652	ppbv	98
58) Ethyl Benzene	12.105	91	4944221	14.564	ppbv	100
59) m/p-Xylene	12.388	91	8050652m	25.255	ppbv	
60) o-Xylene	13.076	91	3808798	12.529	ppbv	99
61) Styrene	12.912	104	2313412	18.158	ppbv	100
62) Isopropylbenzene	14.043	105	5856158	12.758	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	2723791	11.432	ppbv	99
64) n-propylbenzene	14.931	120	1643180	14.318	ppbv	96
65) tert-Butylbenzene	16.104	119	5118402	12.424	ppbv	100
66) Benzyl Chloride	16.342	91	679722	14.137	ppbv	100
67) sec-Butylbenzene	16.648	105	7126812	12.084	ppbv	100
69) p-Isopropyltoluene	17.011	119	6038125	13.027	ppbv	99
70) n-Butylbenzene	17.899	91	6030712	11.821	ppbv	99
71) 2-Chlorotoluene	14.815	91	4470181	13.163	ppbv	99
72) 4-Ethyltoluene	15.207	105	4769025	13.989	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	4112917	13.399	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	4316410	11.535	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2784299	13.059	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2789049	13.295	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2714482	12.782	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1736651	10.808	ppbv	100
79) Naphthalene	21.397	128	4215333	18.102	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1352427	23.712	ppbv	99
81) 1,2,4-Trichlorobenzene	21.156	180	2089792	13.739	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

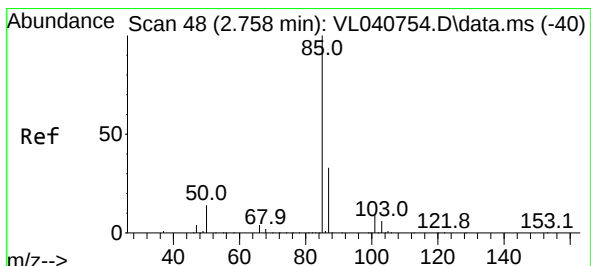
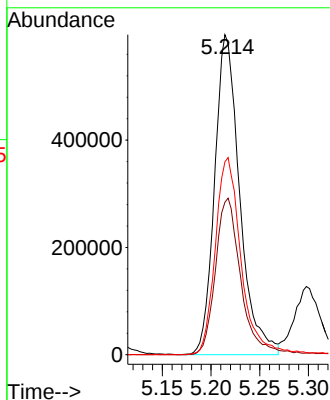
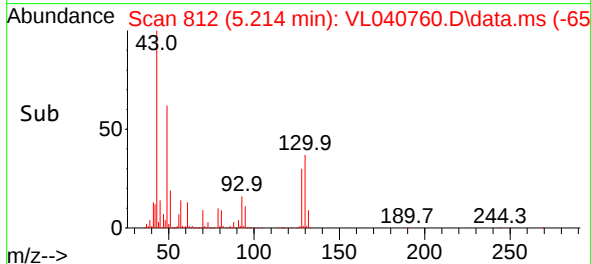
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



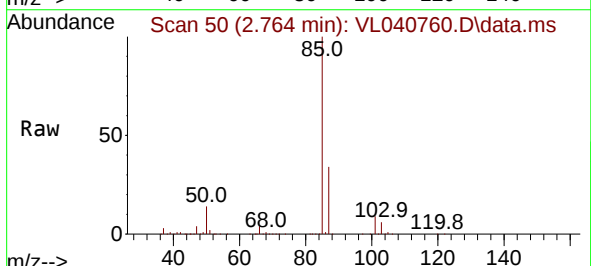
Tgt Ion: 49 Resp: 1067150
Ion Ratio Lower Upper
49 100
128 50.0 23.9 71.7
130 64.7 30.7 92.1

Manual Integrations
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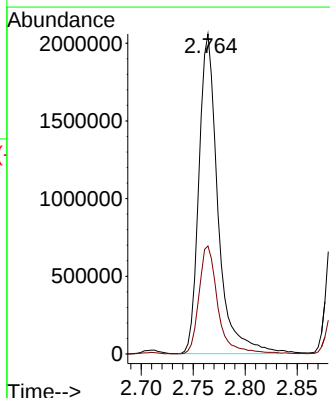
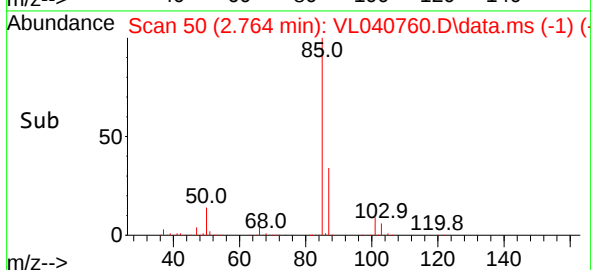
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

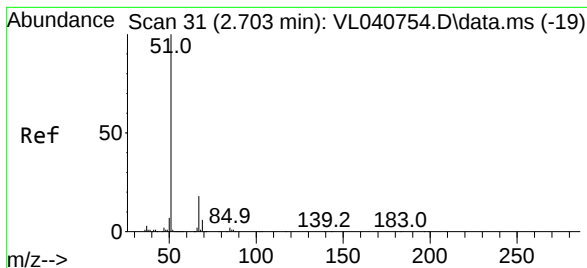


#2
Dichlorodifluoromethane
Concen: 11.131 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 85 Resp: 2617160
Ion Ratio Lower Upper
85 100
87 33.7 26.0 39.0





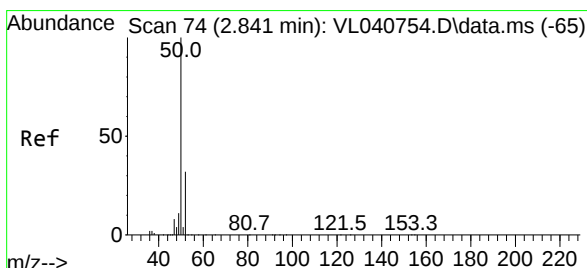
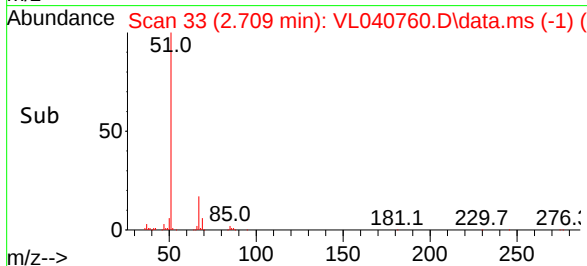
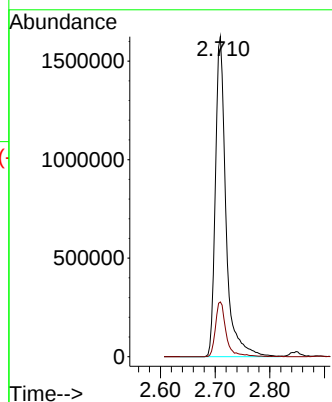
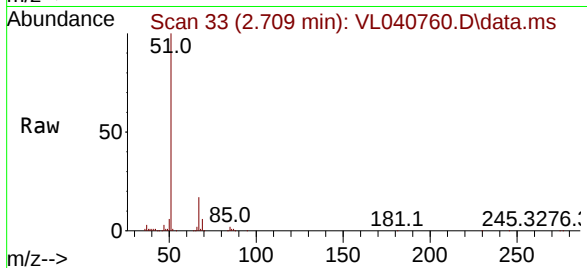
#3
Chlorodifluoromethane
Concen: 12.534 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 2179118
Ion Ratio Lower Upper
51 100
67 17.4 13.8 20.6

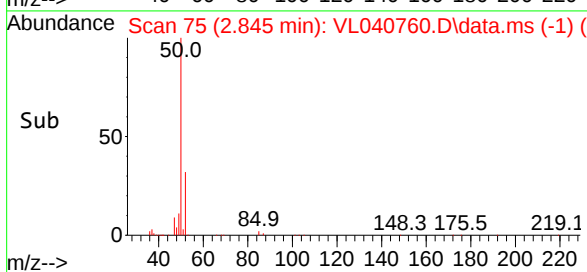
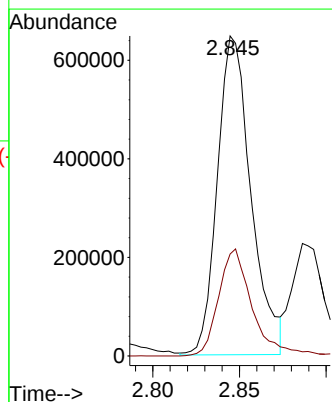
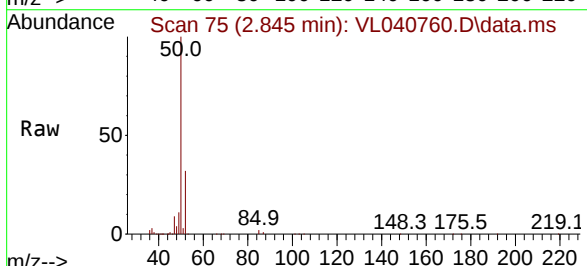
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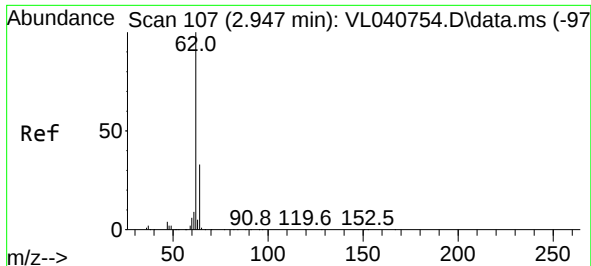
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#4
Chloromethane
Concen: 13.145 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

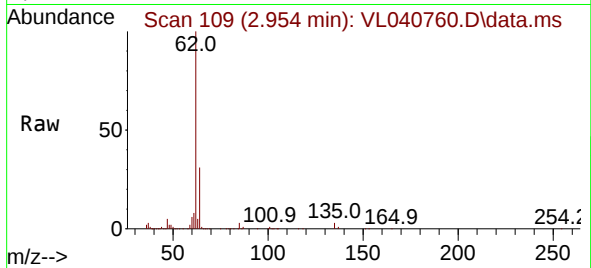
Tgt Ion: 50 Resp: 874912
Ion Ratio Lower Upper
50 100
52 32.1 25.3 37.9





#5
 Vinyl Chloride
 Concen: 11.182 ppbv
 RT: 2.954 min Scan# 107
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

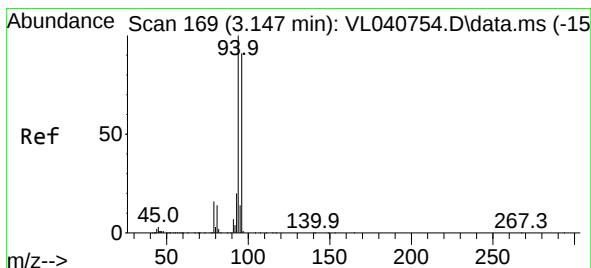
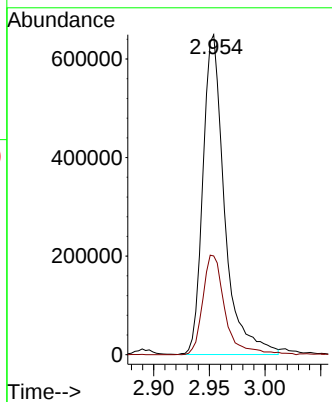
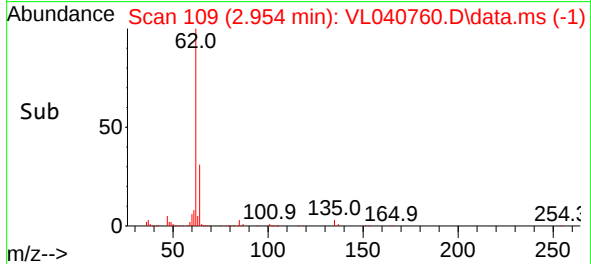
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 62 Resp: 879572
 Ion Ratio Lower Upper
 62 100
 64 30.8 26.6 39.8

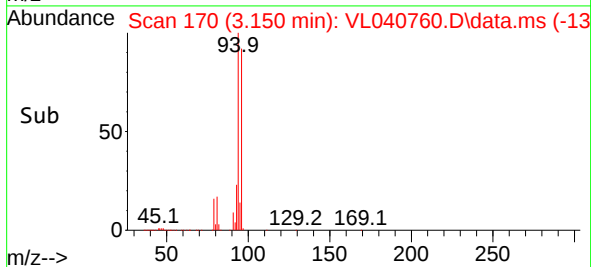
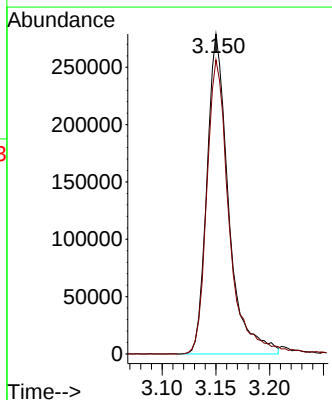
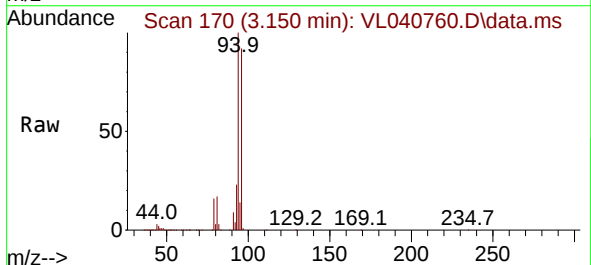
Manual Integrations
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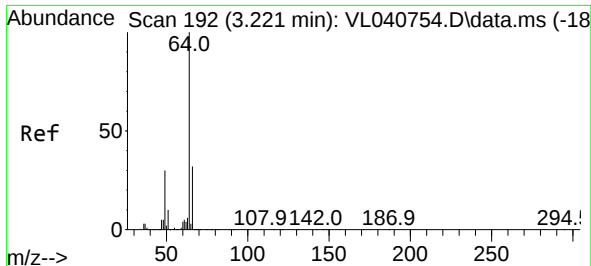
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#6
 Bromomethane
 Concen: 10.290 ppbv
 RT: 3.150 min Scan# 170
 Delta R.T. 0.003 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

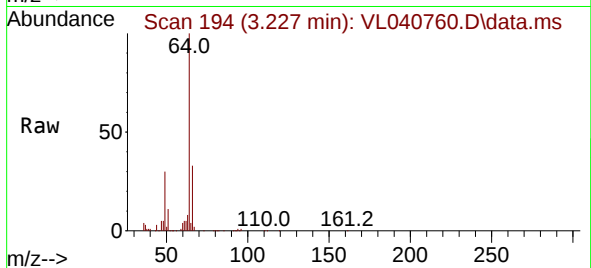
Tgt Ion: 94 Resp: 390536
 Ion Ratio Lower Upper
 94 100
 96 91.9 72.6 109.0





#7
Chloroethane
Concen: 11.145 ppbv
RT: 3.227 min Scan# 192
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

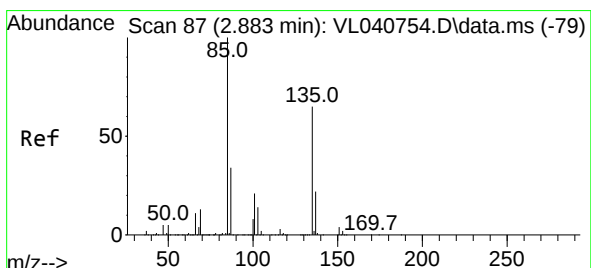
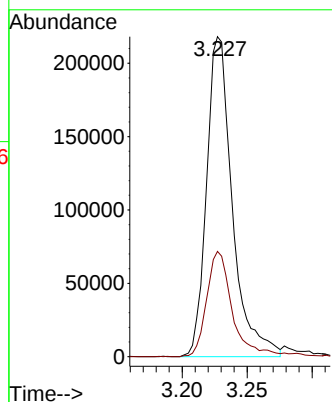
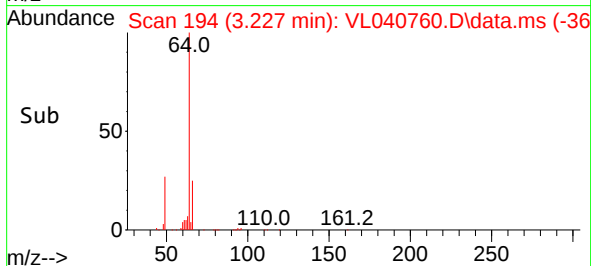
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 301108
Ion Ratio Lower Upper
64 100
66 32.9 25.4 38.2

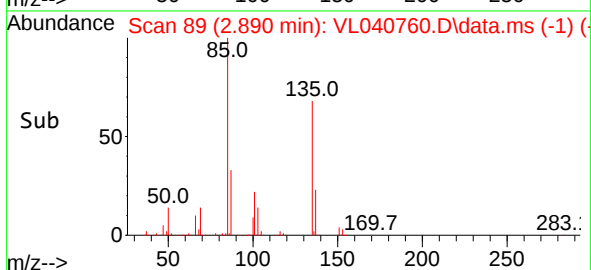
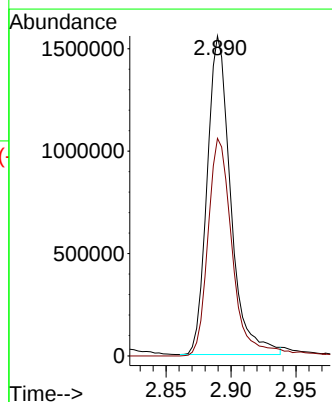
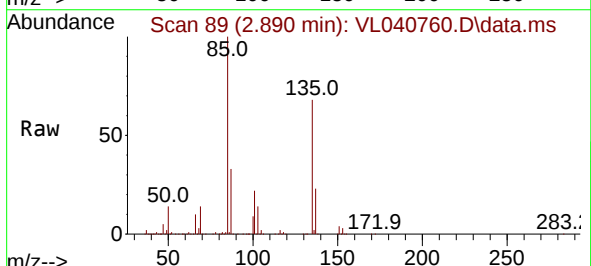
Manual Integrations
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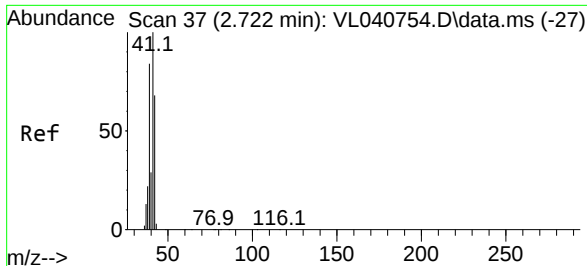
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#8
Dichlorotetrafluoroethane
Concen: 10.101 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 85 Resp: 1960689
Ion Ratio Lower Upper
85 100
135 72.2 55.4 83.2





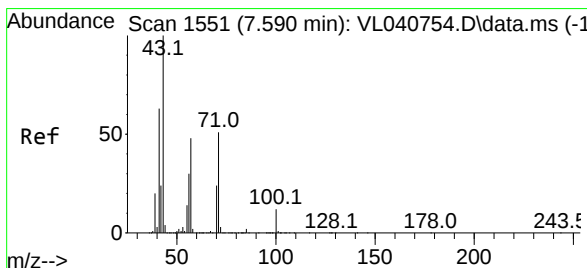
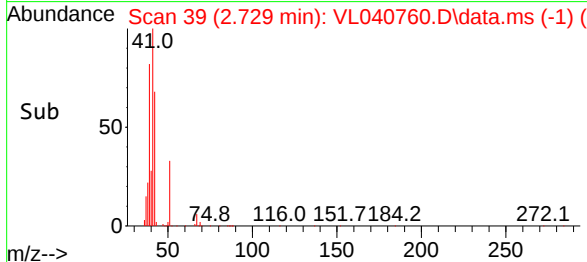
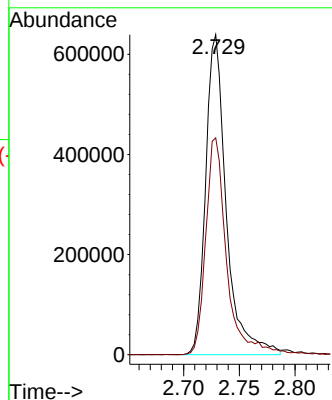
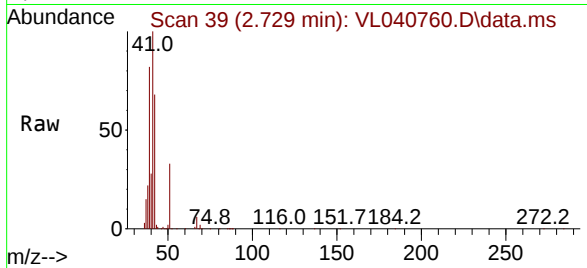
#9
 Propene
 Concen: 16.460 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 824359
 Ion Ratio Lower Upper
 41 100
 42 69.2 57.1 85.7

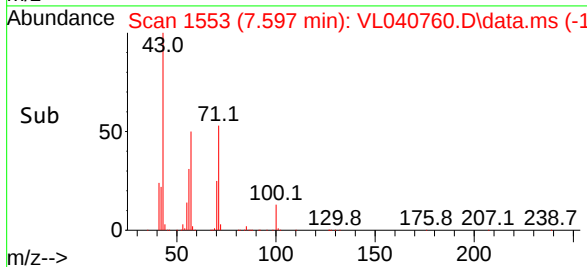
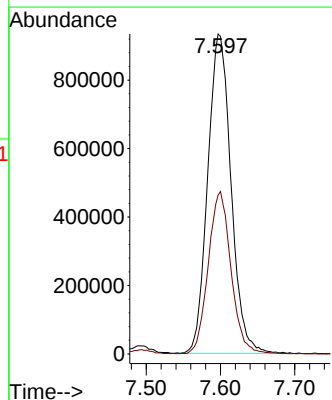
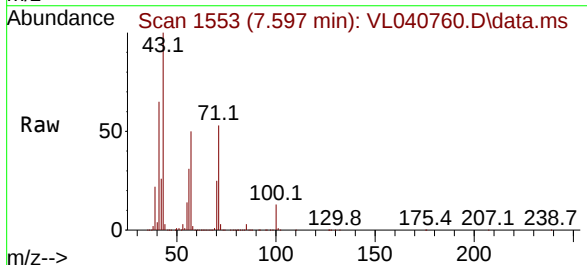
Manual Integrations
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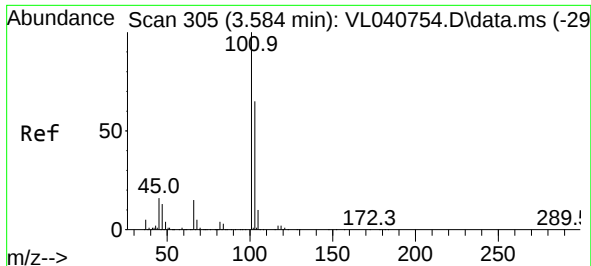
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#10
 Heptane
 Concen: 18.002 ppbv
 RT: 7.597 min Scan# 1553
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

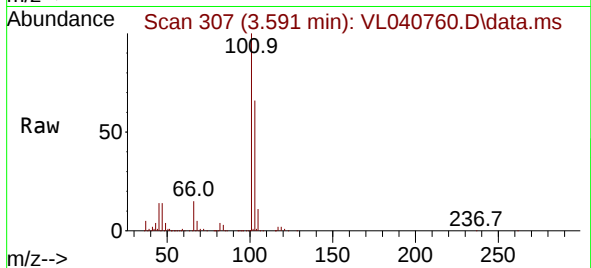
Tgt Ion: 43 Resp: 2031597
 Ion Ratio Lower Upper
 43 100
 57 50.0 40.0 60.0





#11
Trichlorofluoromethane
Concen: 10.000 ppbv
RT: 3.591 min Scan# 305
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

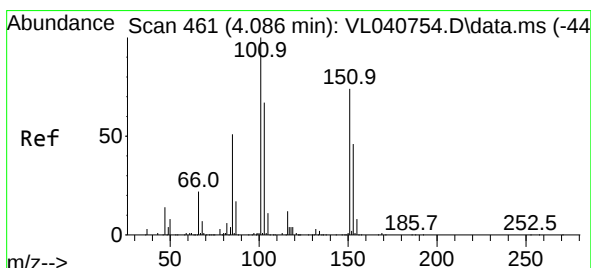
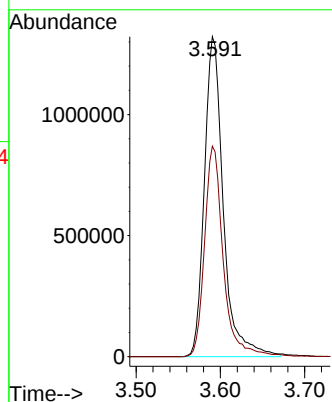
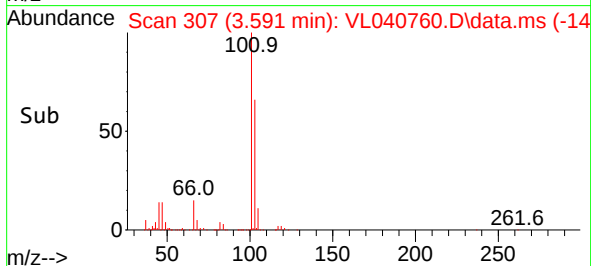
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:101 Resp: 206709
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.2

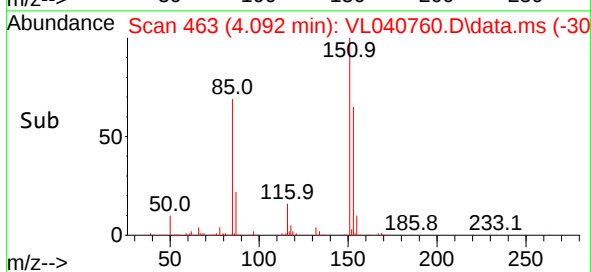
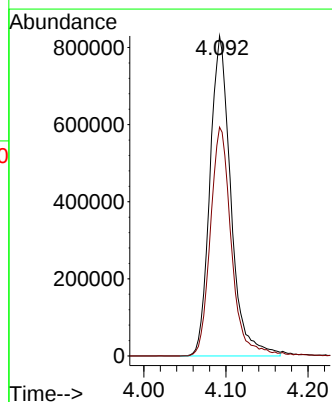
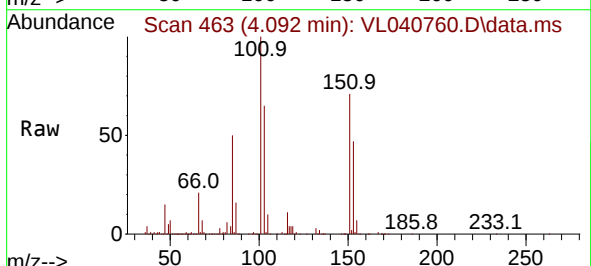
Manual Integrations
APPROVED

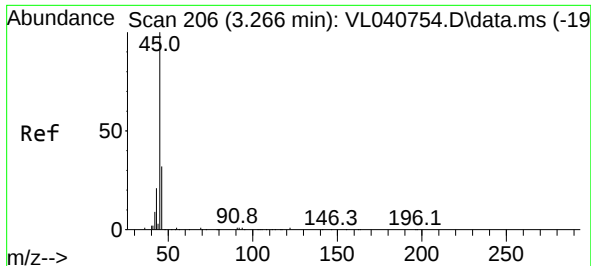
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.928 ppbv
RT: 4.092 min Scan# 463
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:101 Resp: 1467962
Ion Ratio Lower Upper
101 100
151 72.4 58.1 87.1





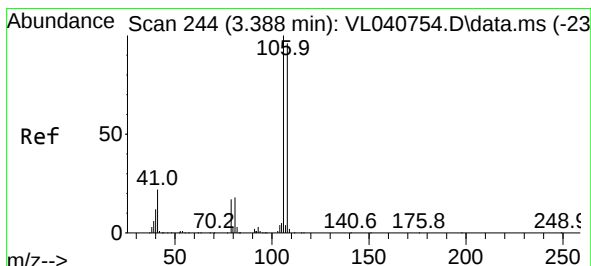
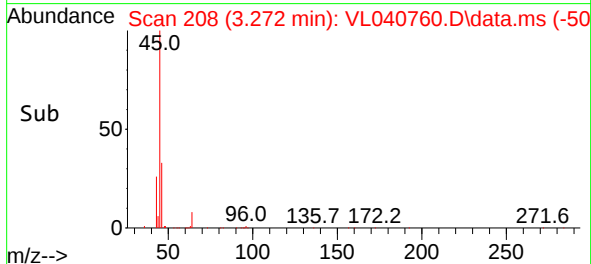
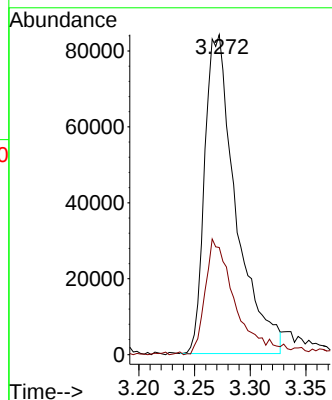
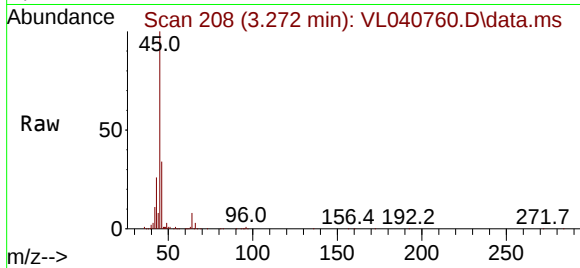
#13
Ethanol
Concen: 11.037 ppbv
RT: 3.272 min Scan# 206
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 16361
Ion Ratio Lower Upper
45 100
46 38.4 14.6 58.2

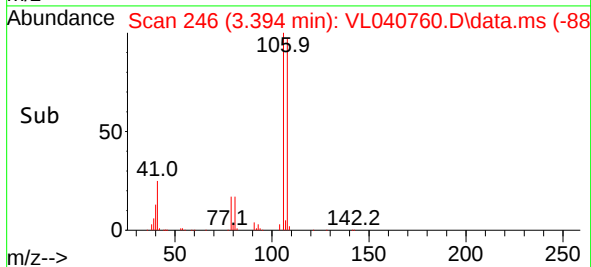
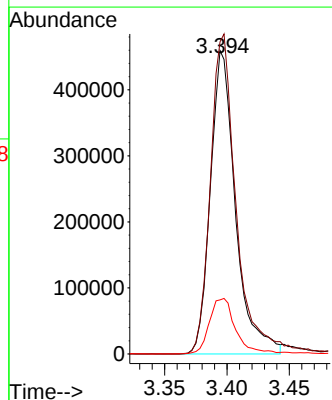
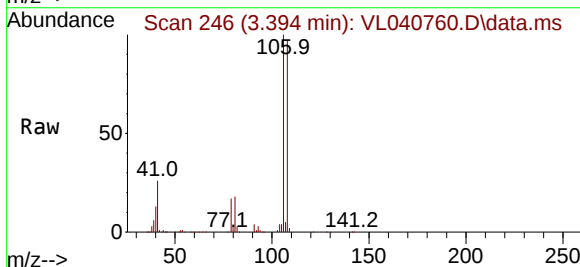
Manual Integrations
APPROVED

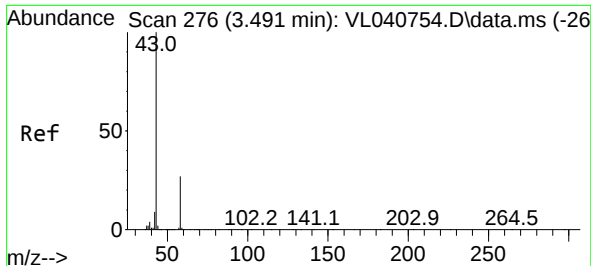
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#14
Bromoethene
Concen: 10.372 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

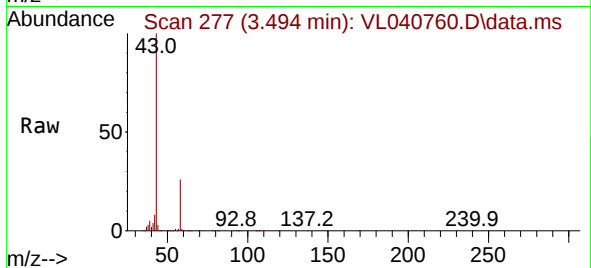
Tgt Ion:108 Resp: 643226
Ion Ratio Lower Upper
108 100
106 110.0 85.2 127.8
79 19.9 15.7 23.5





#15
Acetone
Concen: 10.558 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

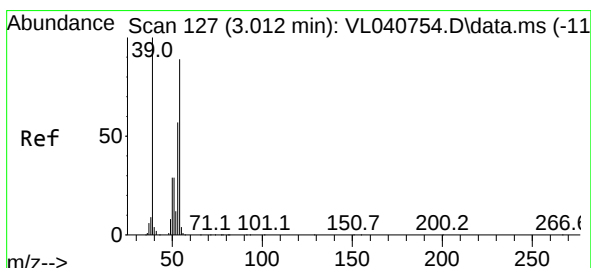
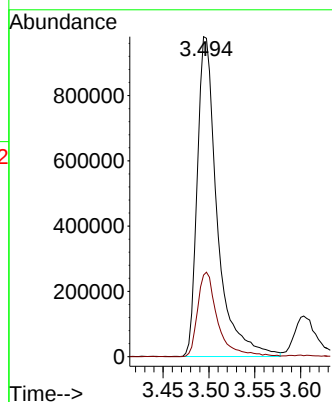
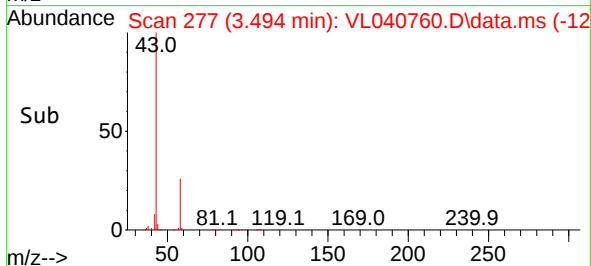
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



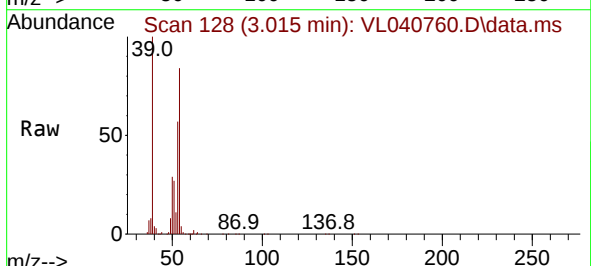
Tgt Ion: 43 Resp: 1486178
Ion Ratio Lower Upper
43 100
58 27.4 21.6 32.4

Manual Integrations
APPROVED

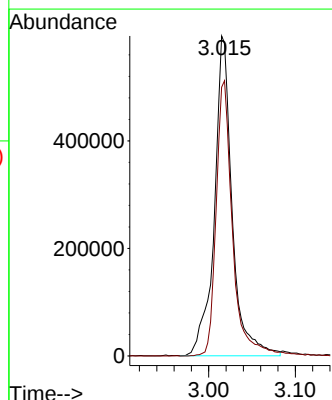
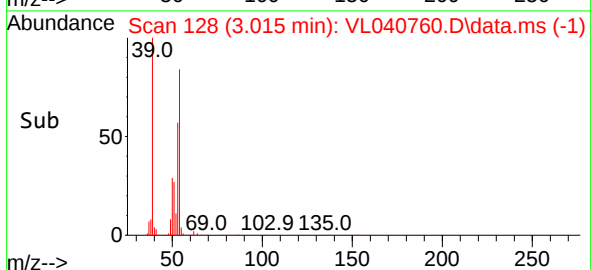
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

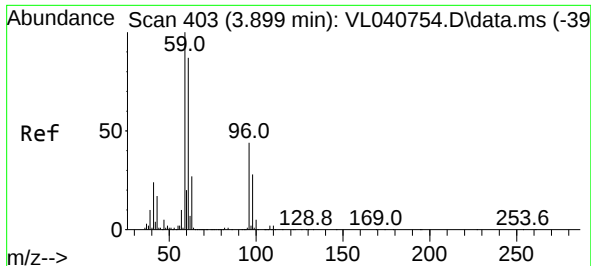


#16
1,3-Butadiene
Concen: 13.920 ppbv
RT: 3.015 min Scan# 128
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 39 Resp: 853938
Ion Ratio Lower Upper
39 100
54 79.5 63.0 94.6





#17

tert-Butyl alcohol

Concen: 9.811 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 141460

Ion Ratio Lower Upper

59 100

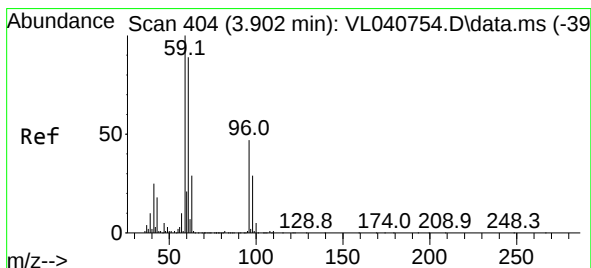
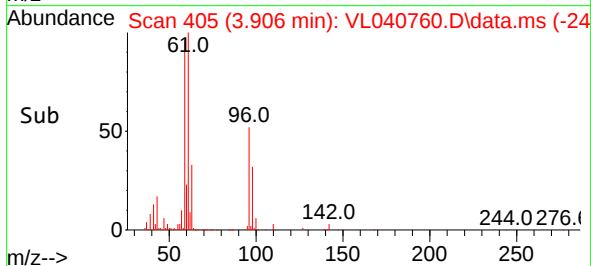
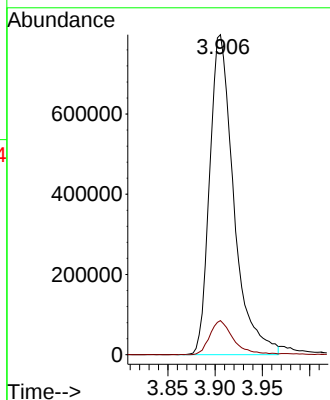
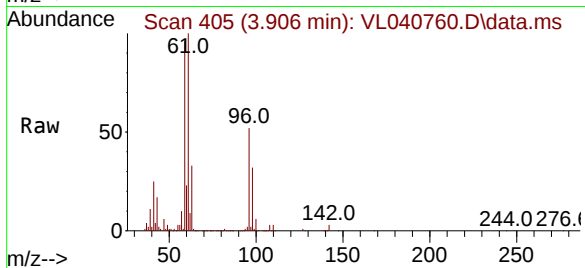
57 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#18

1,1-Dichloroethene

Concen: 10.145 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.003 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

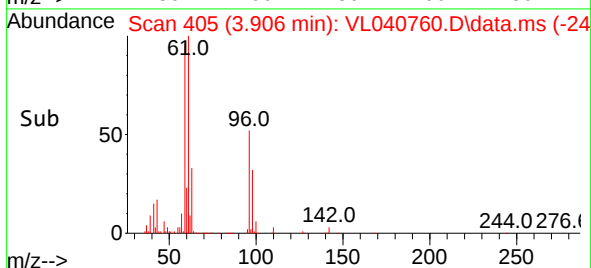
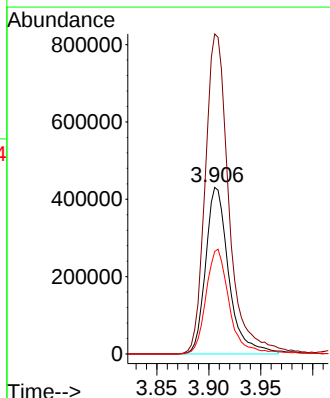
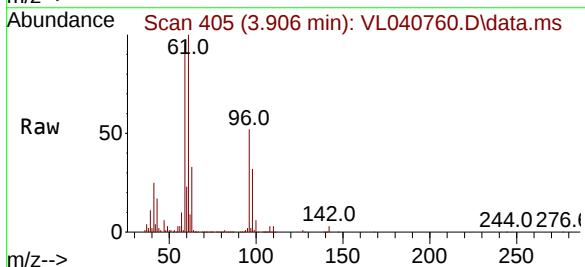
Tgt Ion: 96 Resp: 666766

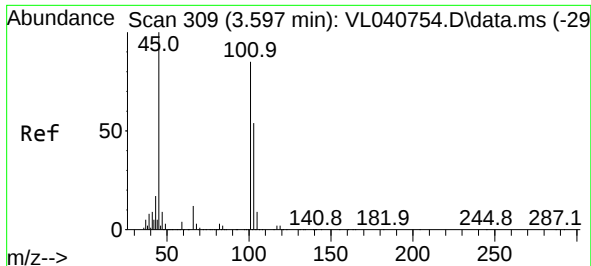
Ion Ratio Lower Upper

96 100

61 192.0 152.5 228.7

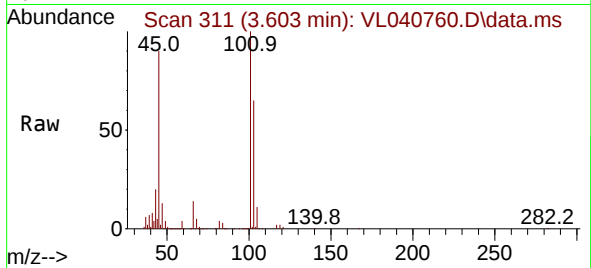
98 61.4 49.6 74.4





#19
Isopropyl Alcohol
Concen: 11.197 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

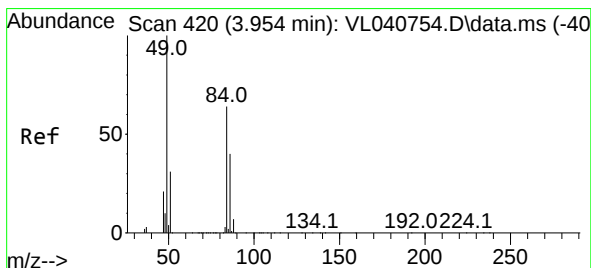
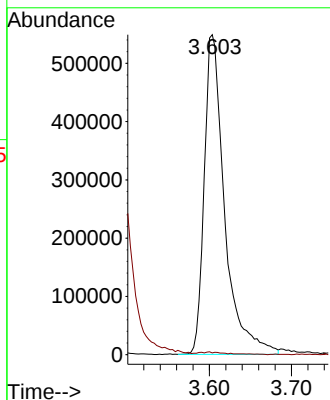
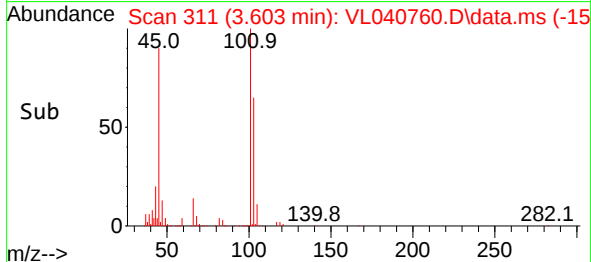
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



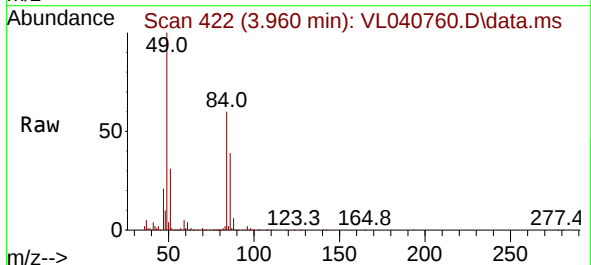
Tgt Ion: 45 Resp: 949710
Ion Ratio Lower Upper
45 100
58 42.8 30.3 45.5

Manual Integrations
APPROVED

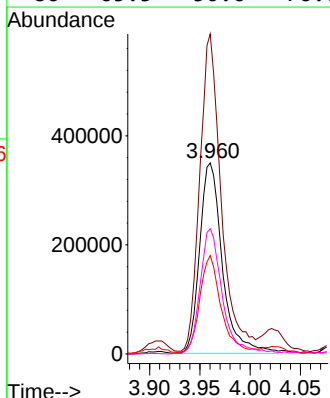
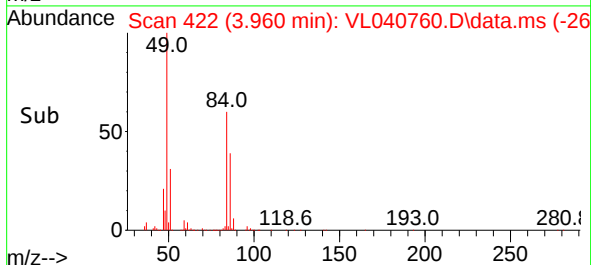
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

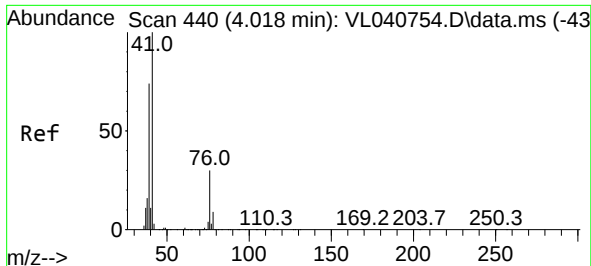


#20
Methylene Chloride
Concen: 7.253 ppbv
RT: 3.960 min Scan# 422
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



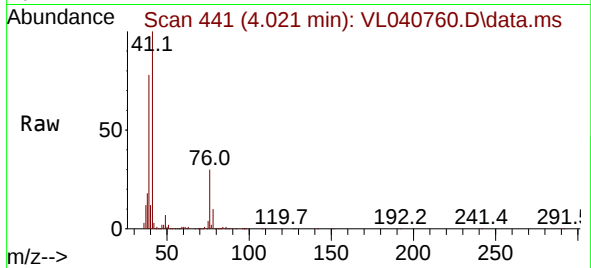
Tgt Ion: 84 Resp: 549504
Ion Ratio Lower Upper
84 100
49 166.6 125.6 188.4
51 50.9 38.9 58.3
86 65.5 50.6 76.0





#21
 Allyl Chloride
 Concen: 12.382 ppbv
 RT: 4.021 min Scan# 440
 Delta R.T. 0.003 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

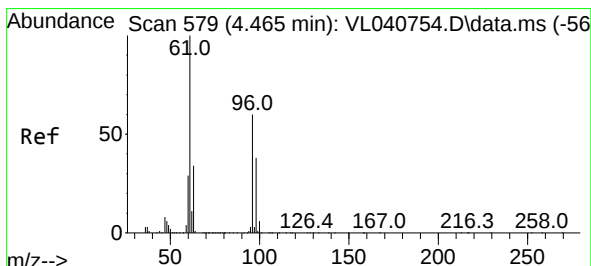
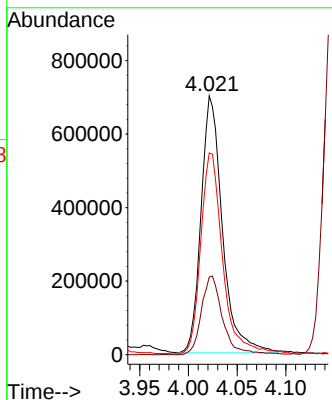
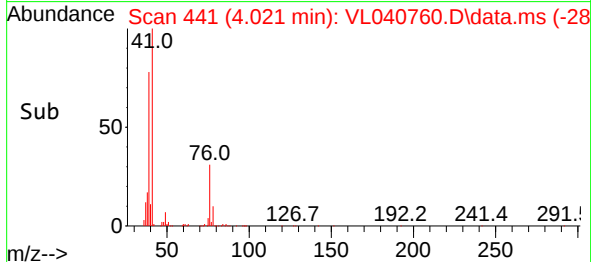
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



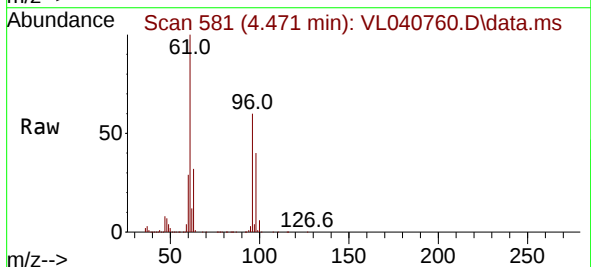
Tgt Ion: 41 Resp: 1068129
 Ion Ratio Lower Upper
 41 100
 76 30.6 24.1 36.1
 39 80.4 63.8 95.6

Manual Integrations
 APPROVED

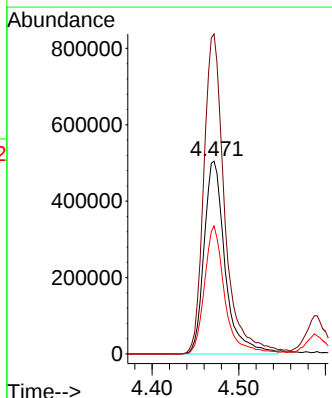
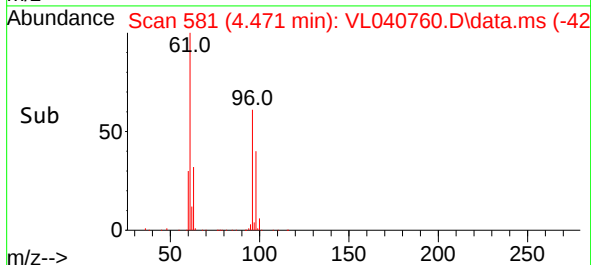
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

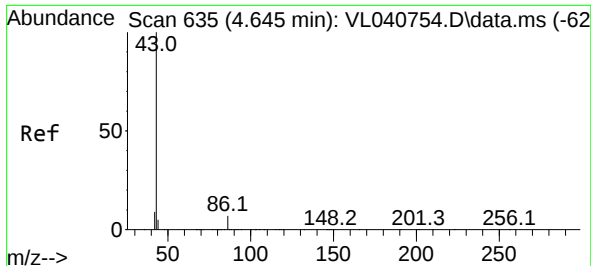


#22
 trans-1,2-Dichloroethene
 Concen: 13.130 ppbv
 RT: 4.471 min Scan# 581
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51



Tgt Ion: 96 Resp: 853209
 Ion Ratio Lower Upper
 96 100
 61 165.9 134.0 201.0
 98 66.4 51.0 76.4





#23
 Vinyl Acetate
 Concen: 17.035 ppbv
 RT: 4.652 min Scan# 617
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

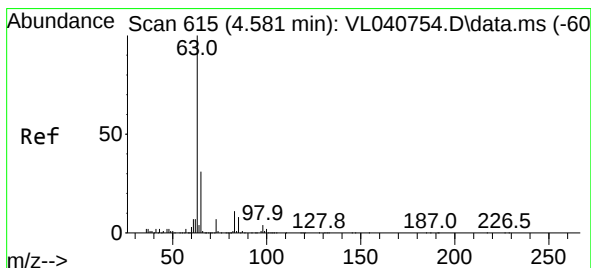
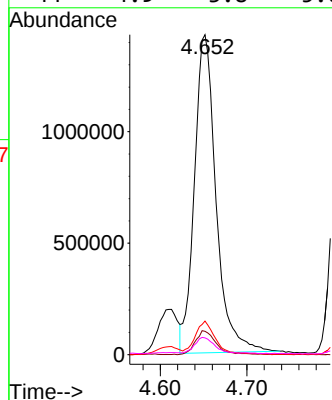
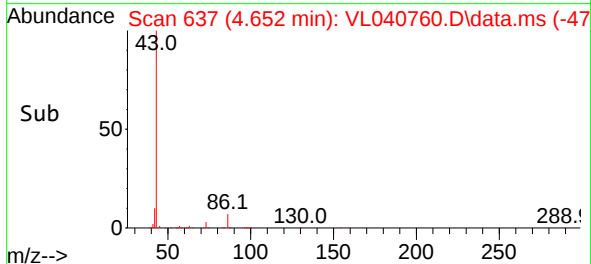
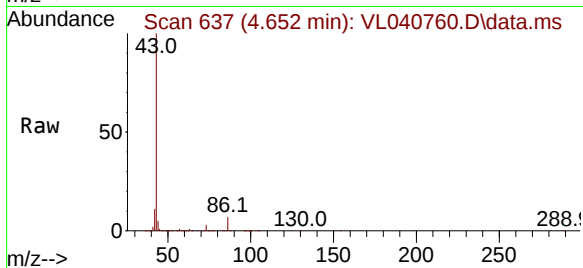
VSTDIC015

Tgt Ion: 43 Resp: 2479878
 Ion Ratio Lower Upper
 43 100
 86 7.3 4.9 7.3
 42 10.5 7.8 11.6
 44 4.9 3.8 5.6

Manual Integrations

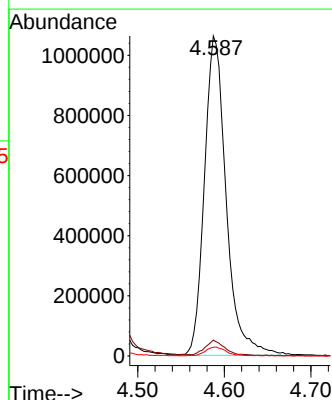
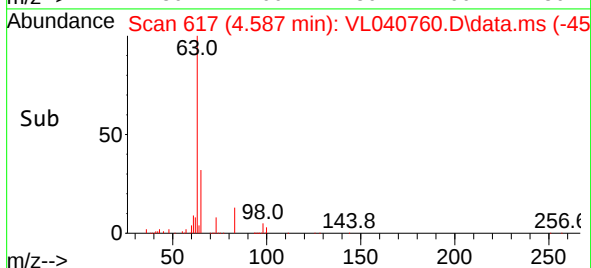
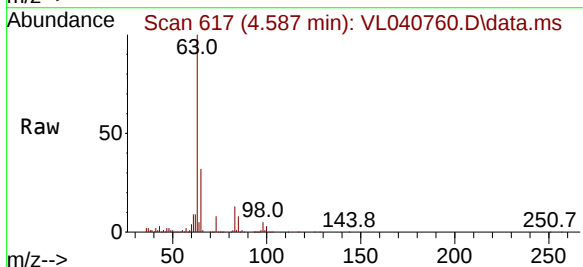
APPROVED

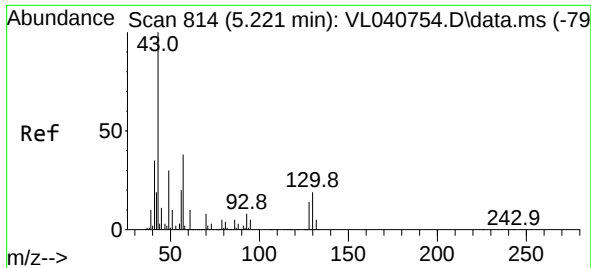
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#24
 1,1-Dichloroethane
 Concen: 13.628 ppbv
 RT: 4.587 min Scan# 617
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

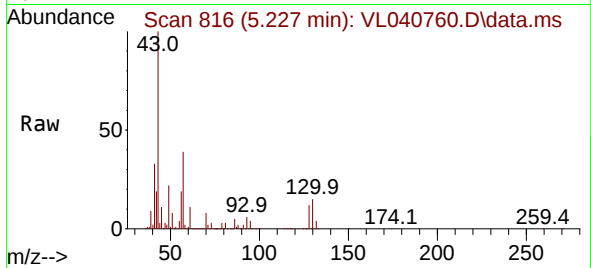
Tgt Ion: 63 Resp: 1856515
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.0 5.8
 100 2.7 1.3 3.8





#25
Ethyl Acetate
Concen: 14.923 ppbv
RT: 5.227 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

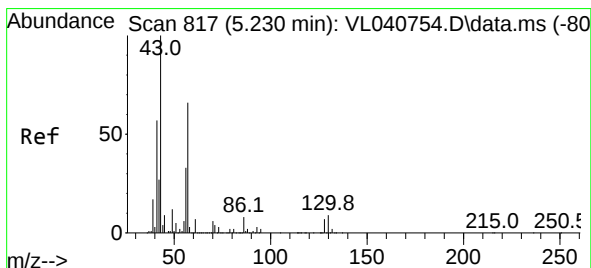
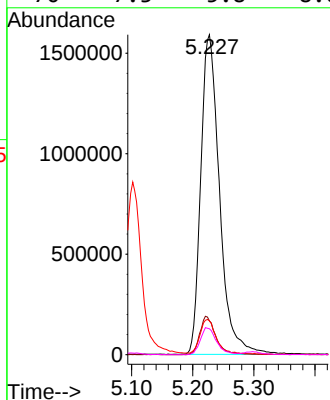
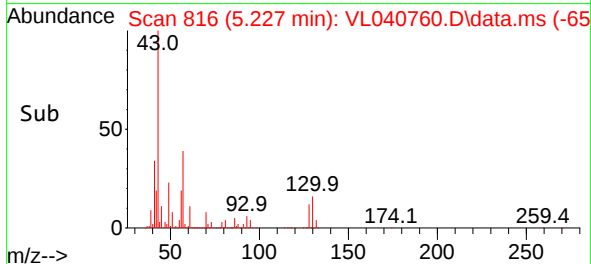
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 3387780
Ion Ratio Lower Upper
43 100
45 10.4 8.2 12.4
61 9.9 8.2 12.2
70 7.3 5.8 8.6

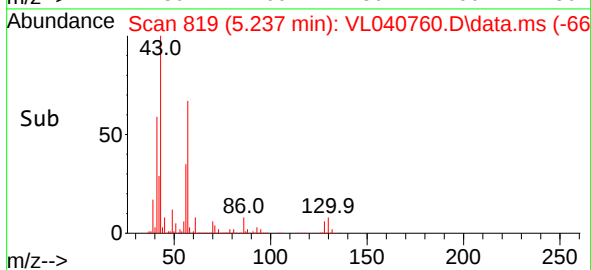
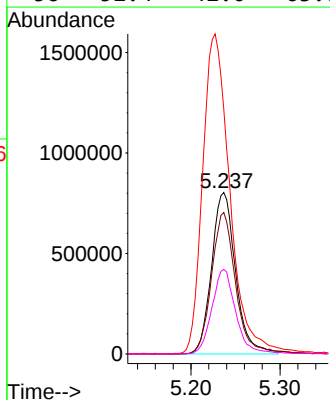
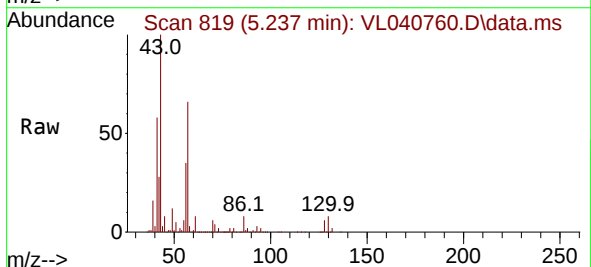
Manual Integrations
APPROVED

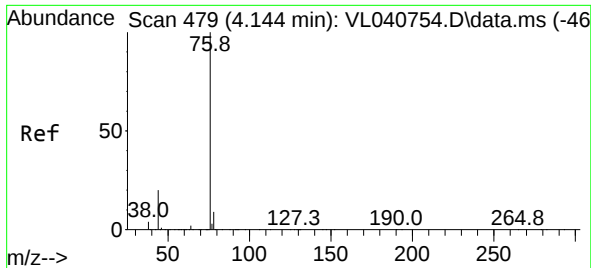
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#26
Hexane
Concen: 14.027 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

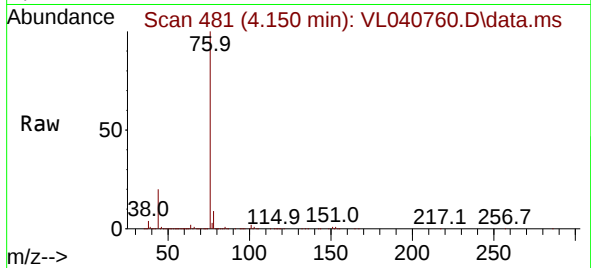
Tgt Ion: 57 Resp: 1505796
Ion Ratio Lower Upper
57 100
41 88.6 71.4 107.2
43 225.9 182.3 273.5
56 52.4 42.0 63.0





#27
Carbon Disulfide
Concen: 11.879 ppbv
RT: 4.150 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

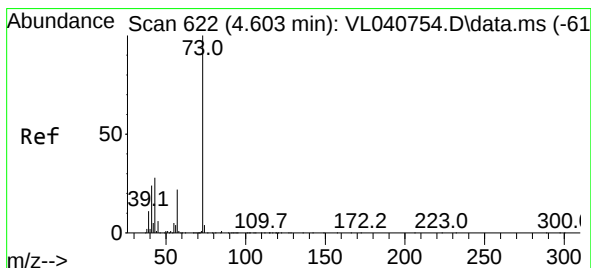
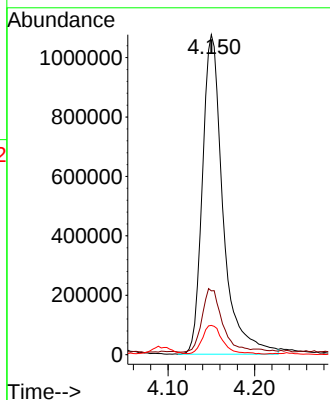
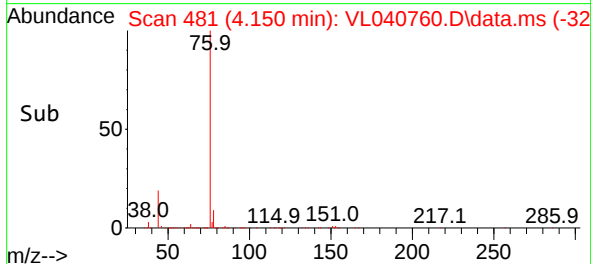
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



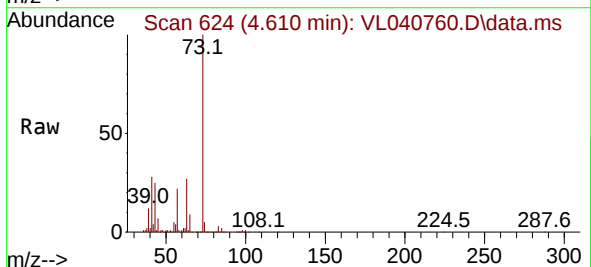
Tgt Ion: 76 Resp: 177826
Ion Ratio Lower Upper
76 100
44 20.4 16.6 25.0
78 9.4 7.8 11.6

Manual Integrations
APPROVED

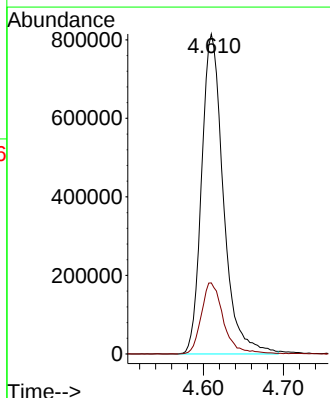
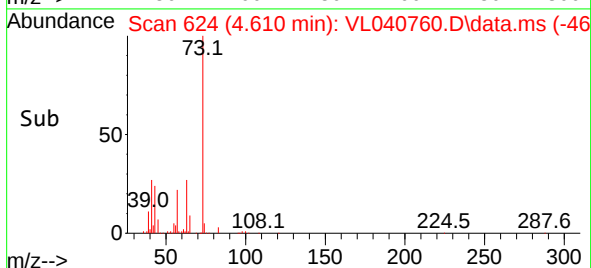
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

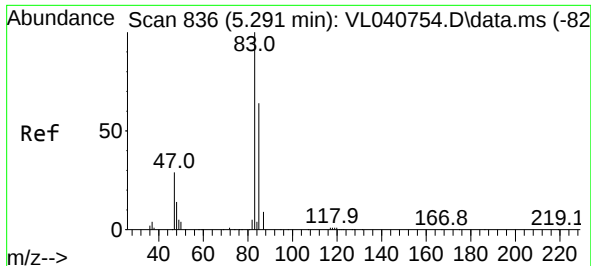


#28
Methyl tert-Butyl Ether
Concen: 16.721 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 73 Resp: 1544387
Ion Ratio Lower Upper
73 100
57 22.8 18.9 28.3





#29

Chloroform

Concen: 12.413 ppbv

RT: 5.298 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 230072

Ion Ratio Lower Upper

83 100

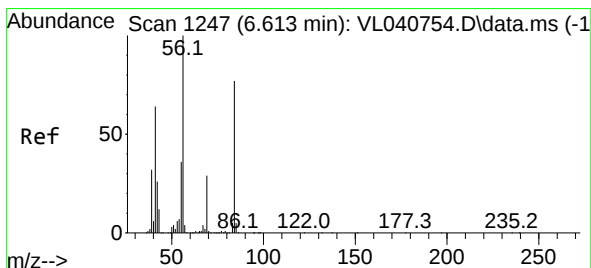
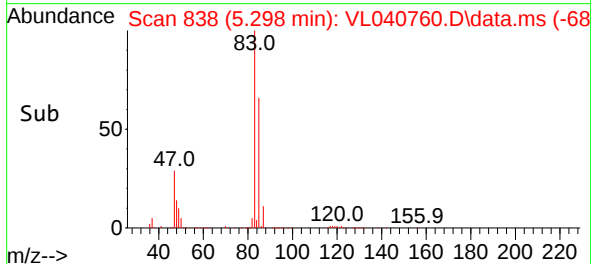
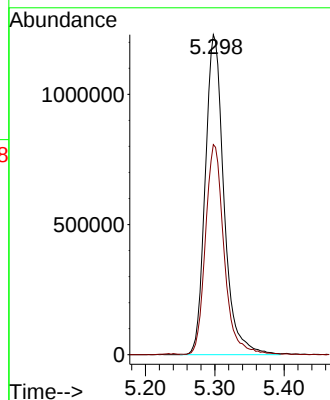
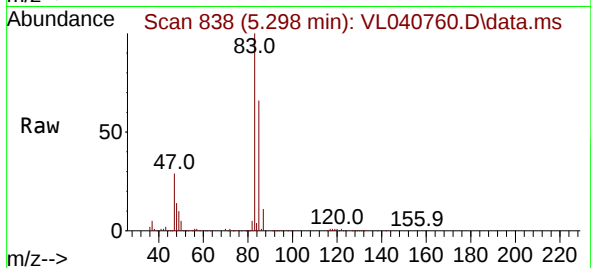
85 65.5 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#30

Cyclohexane

Concen: 16.288 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

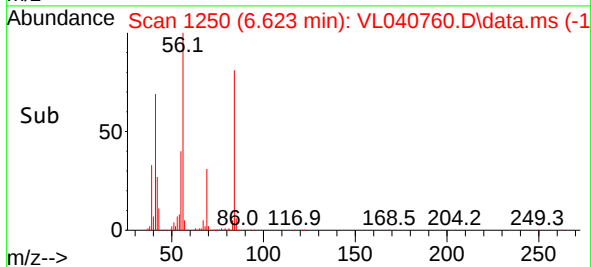
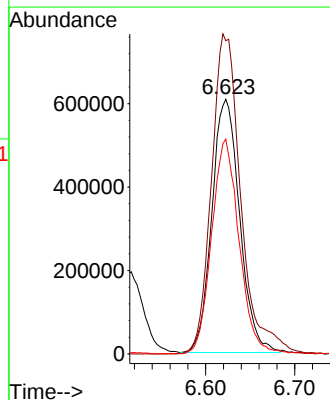
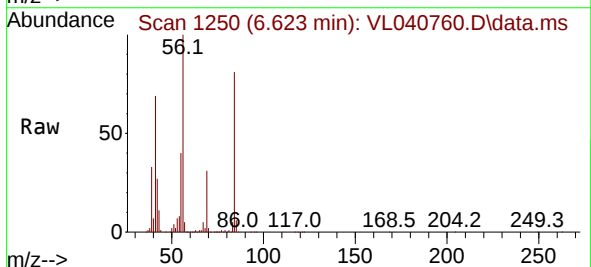
Tgt Ion: 84 Resp: 1316698

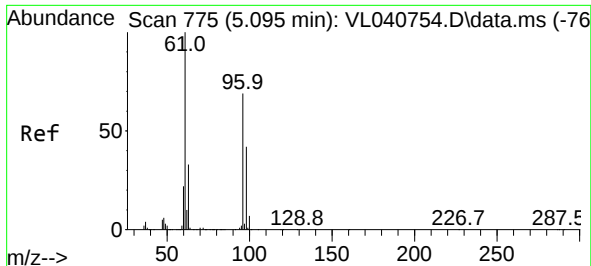
Ion Ratio Lower Upper

84 100

56 134.2 110.3 165.5

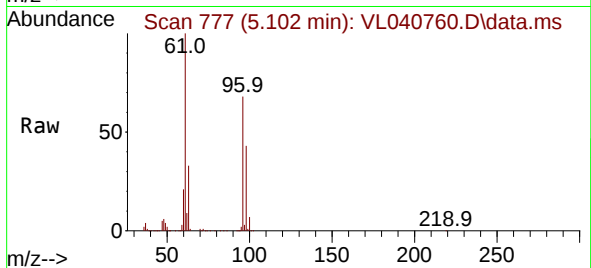
41 84.1 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 15.487 ppbv
 RT: 5.102 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

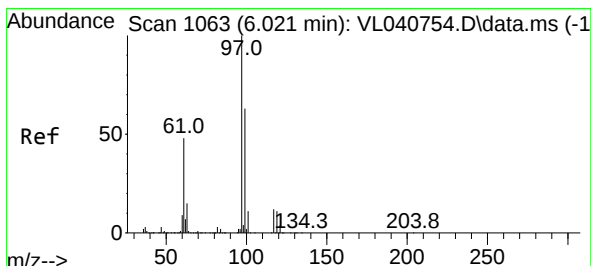
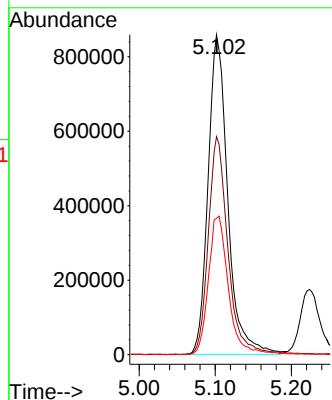
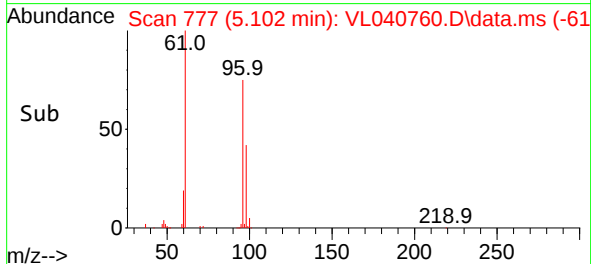
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 61 Resp: 1542498
 Ion Ratio Lower Upper
 61 100
 96 68.2 55.1 82.7
 98 42.6 33.5 50.3

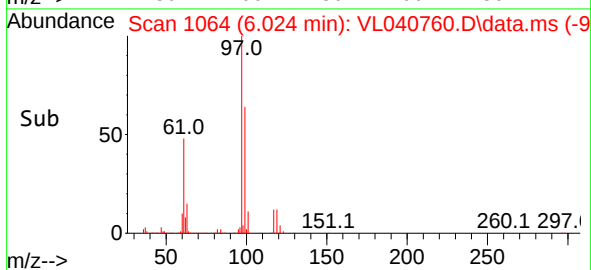
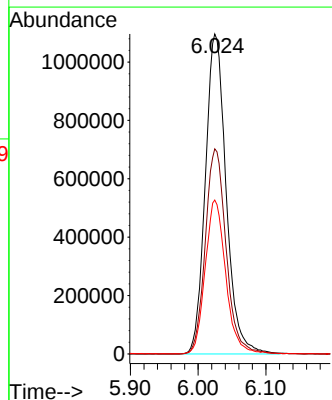
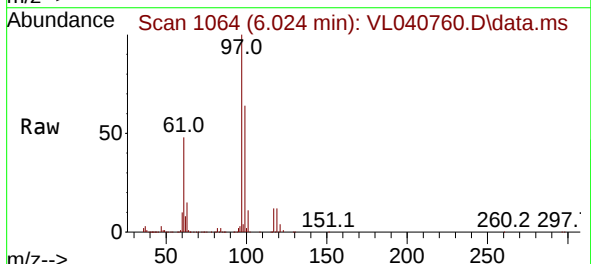
Manual Integrations
 APPROVED

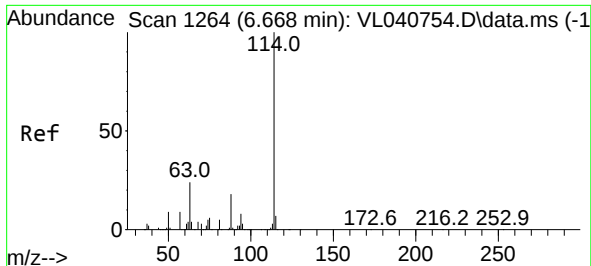
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#32
 1,1,1-Trichloroethane
 Concen: 12.332 ppbv
 RT: 6.024 min Scan# 1064
 Delta R.T. 0.003 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Tgt Ion: 97 Resp: 2336836
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.8 77.6
 61 47.7 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 2977892

Ion Ratio Lower Upper

114 100

63 24.0 19.8 29.6

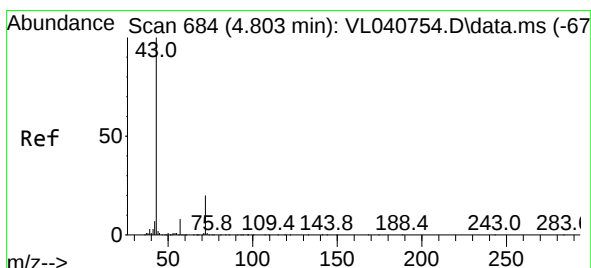
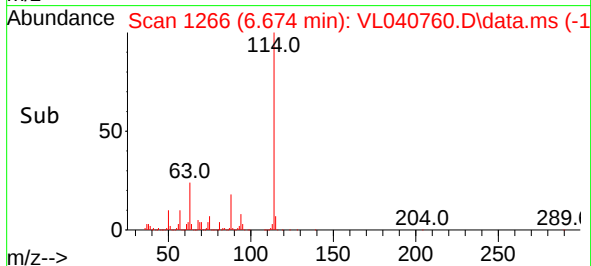
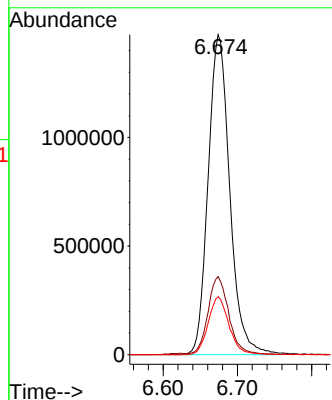
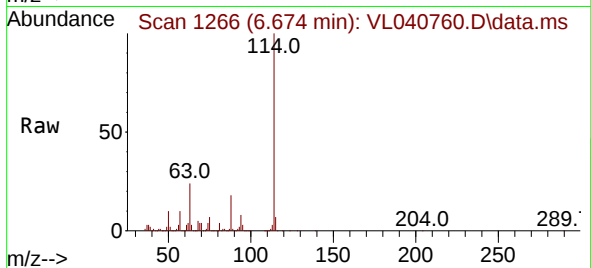
88 17.5 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#34

2-Butanone

Concen: 14.300 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.006 min

Lab File: VL040760.D

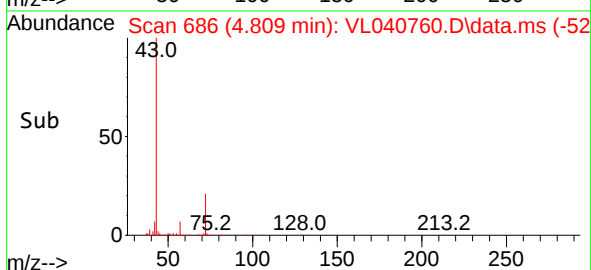
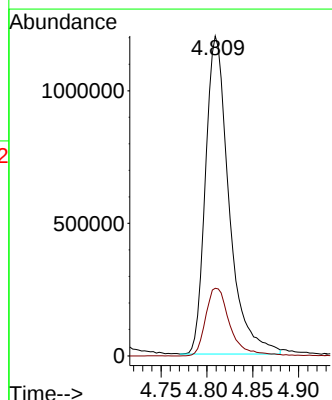
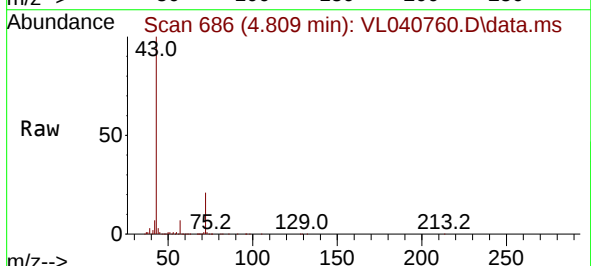
Acq: 11 Oct 2023 15:51

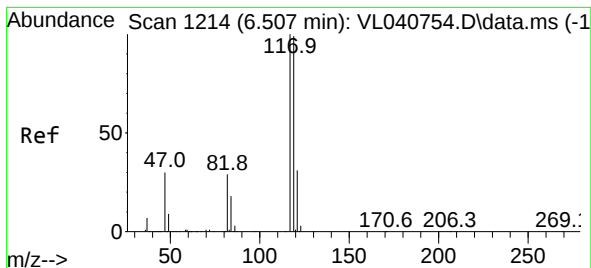
Tgt Ion: 43 Resp: 2141636

Ion Ratio Lower Upper

43 100

72 22.5 16.8 25.2





#35

Carbon Tetrachloride

Concen: 11.951 ppbv

RT: 6.513 min Scan# 117

Delta R.T. 0.006 min

Lab File: VL040760.D

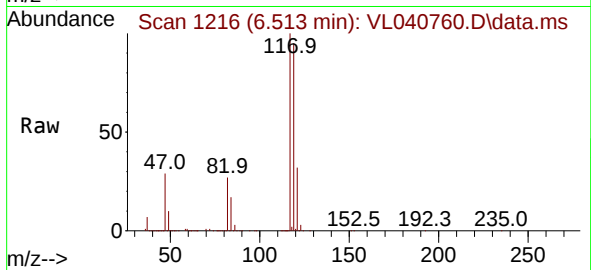
Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion: 117 Resp: 2443629

Ion Ratio Lower Upper

117 100

119 95.2 79.4 119.0

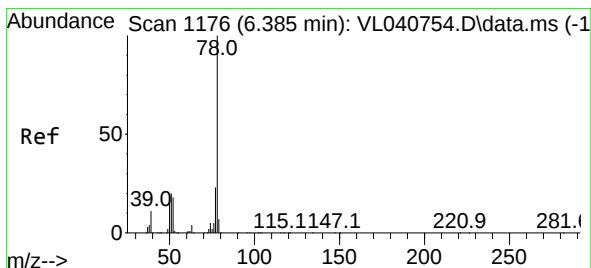
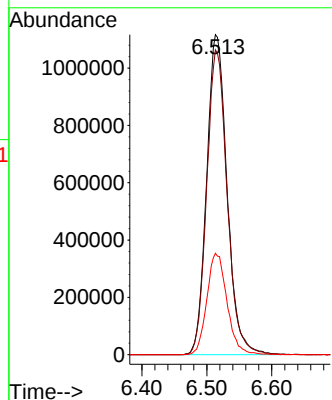
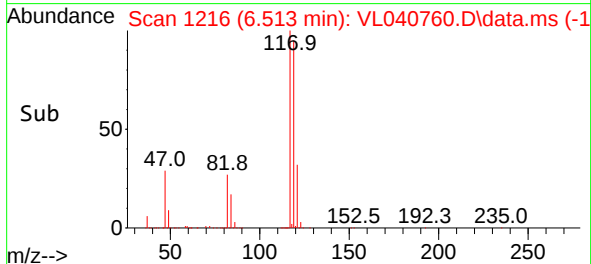
121 31.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#36

Benzene

Concen: 14.599 ppbv

RT: 6.391 min Scan# 1178

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

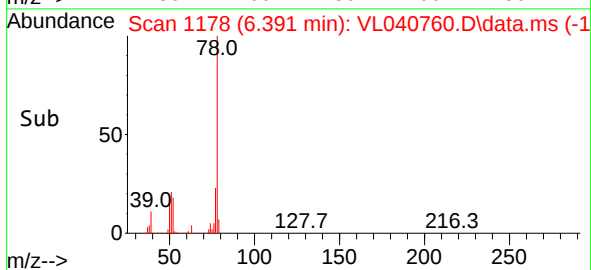
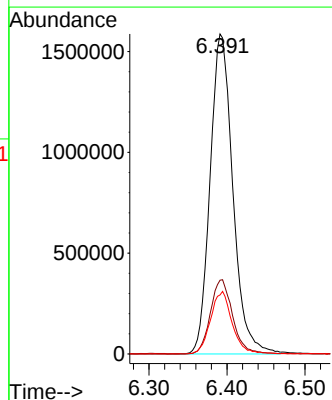
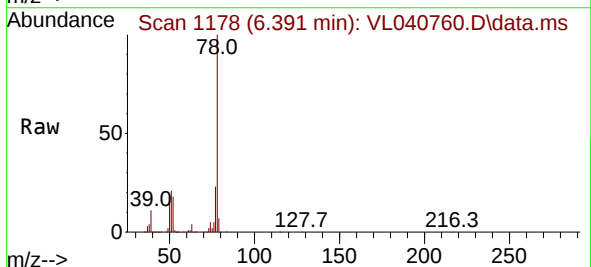
Tgt Ion: 78 Resp: 3219244

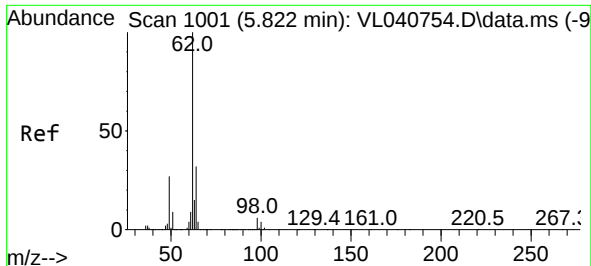
Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

50 18.4 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.527 ppbv

RT: 5.832 min Scan# 1001

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 173973

Ion Ratio Lower Upper

62 100

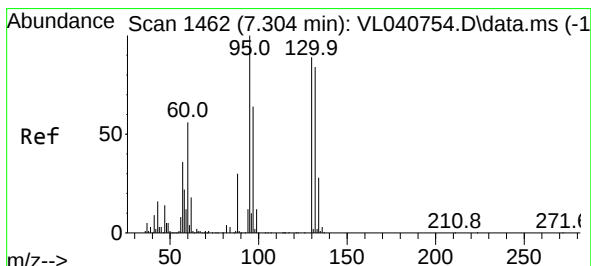
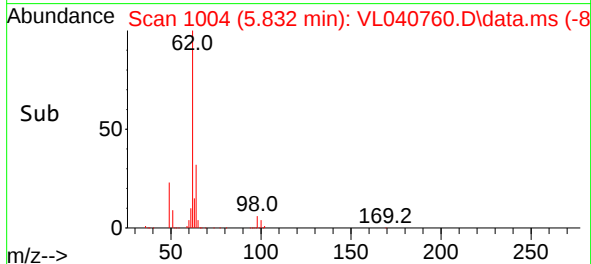
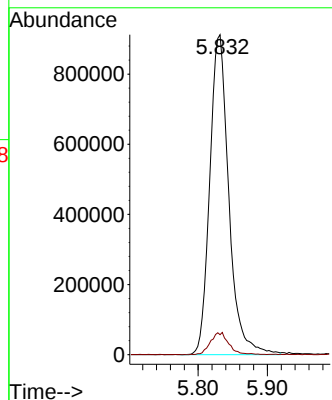
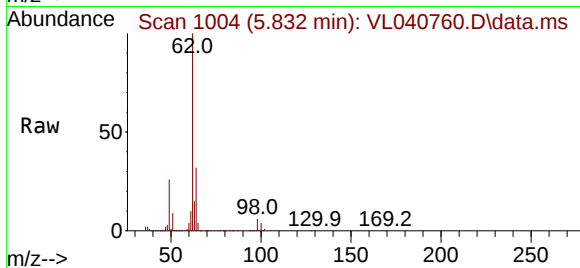
98 6.9 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#38

Trichloroethene

Concen: 15.028 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion:130 Resp: 1263778

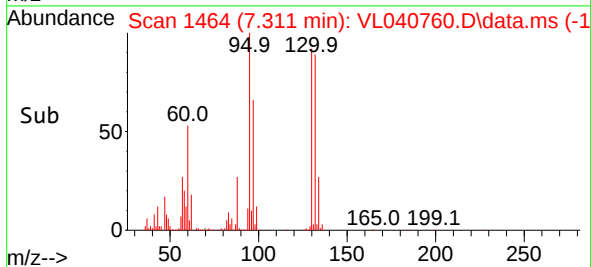
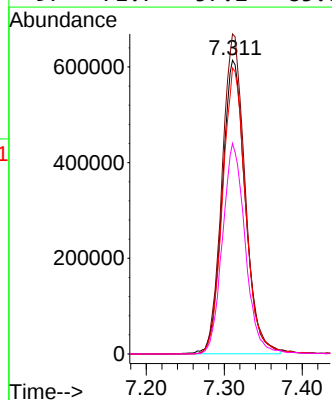
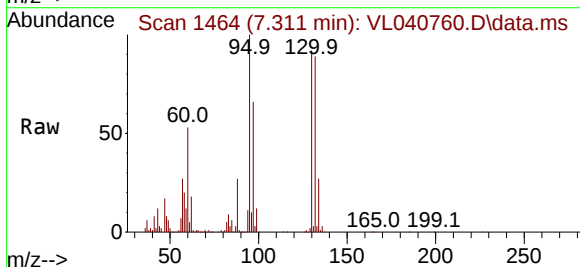
Ion Ratio Lower Upper

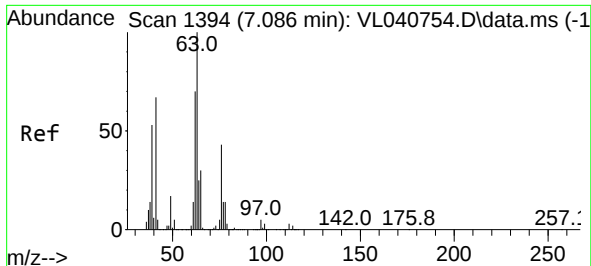
130 100

95 108.9 89.4 134.2

132 97.3 74.8 112.2

97 71.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 14.907 ppbv

RT: 7.092 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 126529

Ion Ratio Lower Upper

63 100

41 66.6 53.7 80.5

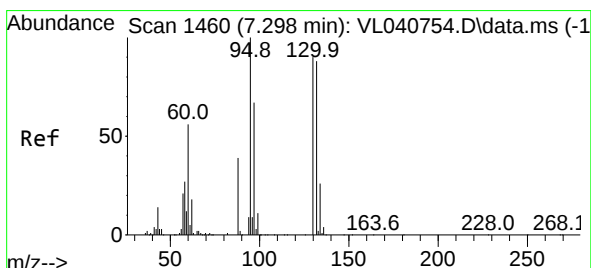
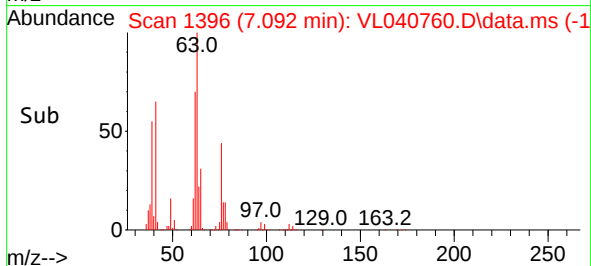
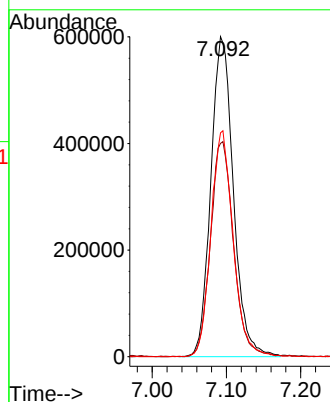
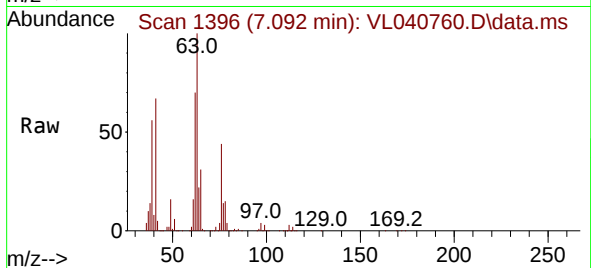
62 69.8 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#40

1,4-Dioxane

Concen: 14.610 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion: 88 Resp: 468819

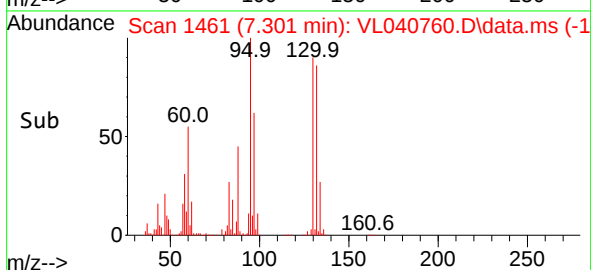
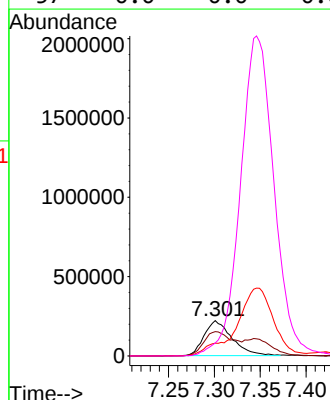
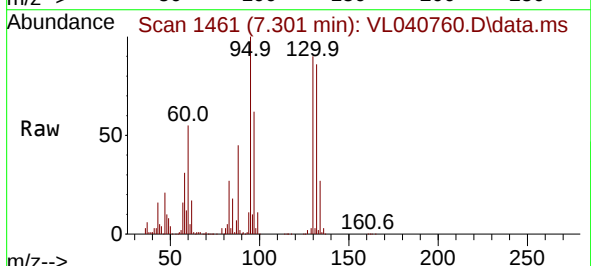
Ion Ratio Lower Upper

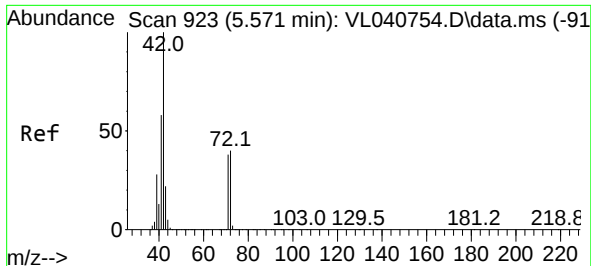
88 100

58 70.5 100.0 150.0#

43 0.0 0.0 0.0

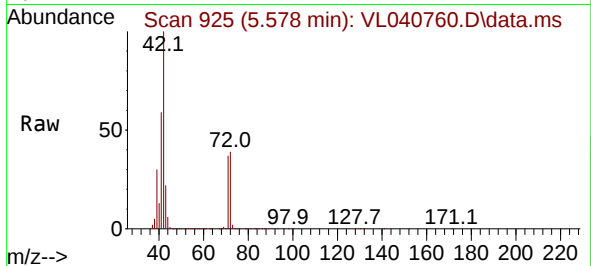
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 17.998 ppbv
RT: 5.578 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

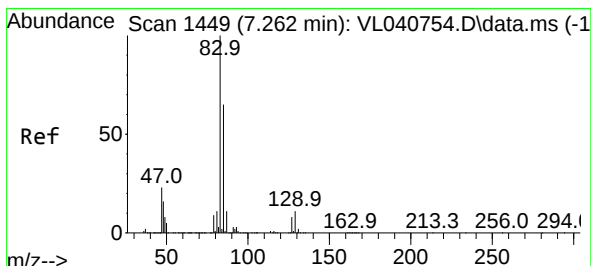
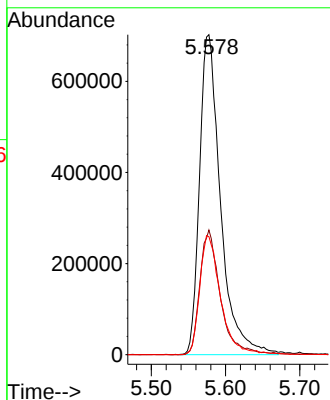
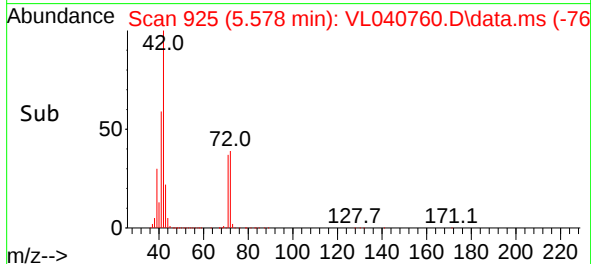
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



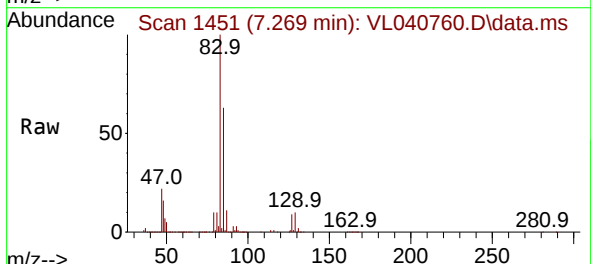
Tgt Ion: 42 Resp: 138216
Ion Ratio Lower Upper
42 100
72 38.2 31.1 46.7
71 37.3 29.7 44.5

Manual Integrations
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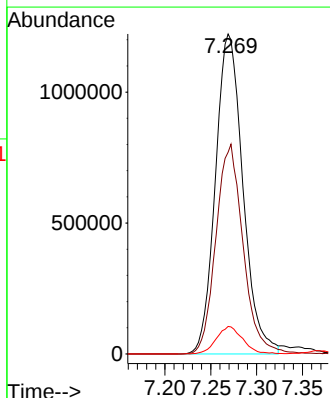
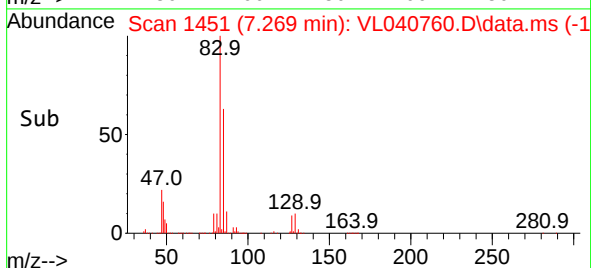
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

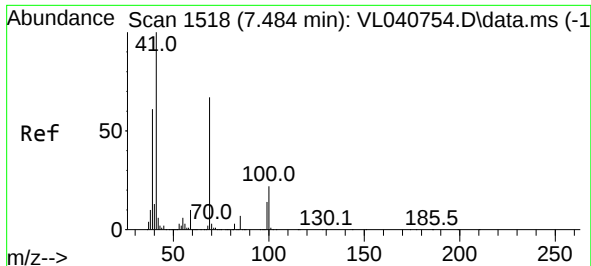


#42
Bromodichloromethane
Concen: 12.384 ppbv
RT: 7.269 min Scan# 1451
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 83 Resp: 2550114
Ion Ratio Lower Upper
83 100
85 63.0 52.1 78.1
127 8.6 6.7 10.1





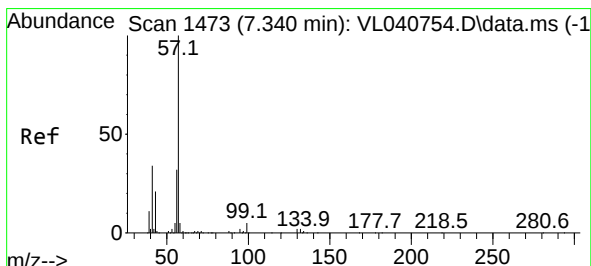
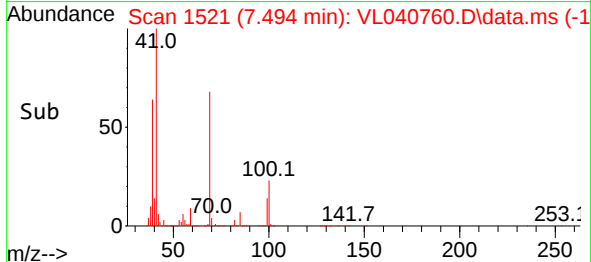
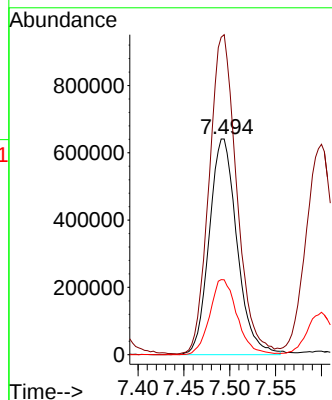
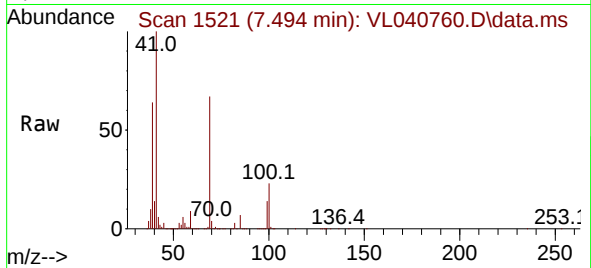
#43
Methyl Methacrylate
Concen: 16.473 ppbv
RT: 7.494 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 135017
Ion Ratio Lower Upper
69 100
41 147.5 120.6 181.0
100 34.3 27.1 40.7

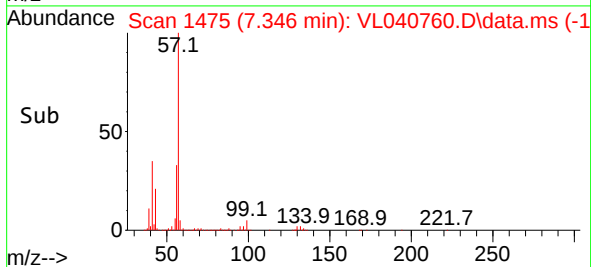
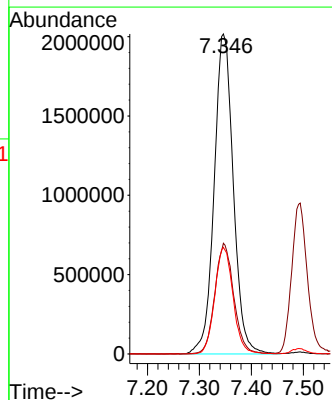
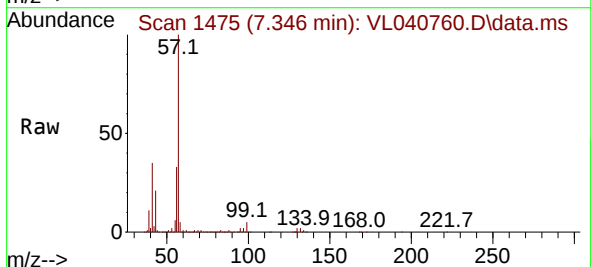
Manual Integrations
APPROVED

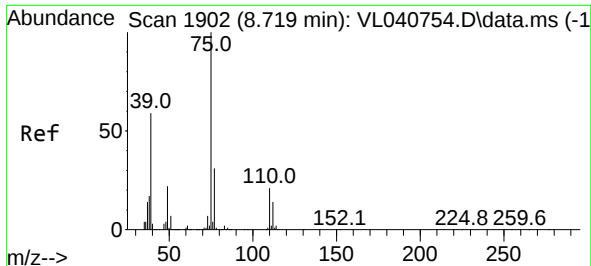
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#44
2,2,4-Trimethylpentane
Concen: 14.722 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 57 Resp: 5169123
Ion Ratio Lower Upper
57 100
41 34.2 27.4 41.0
56 32.0 25.0 37.6





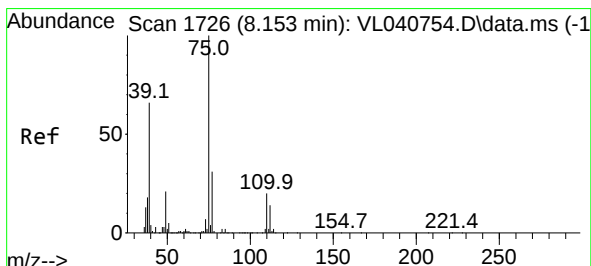
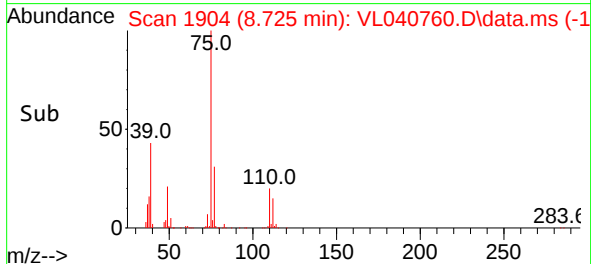
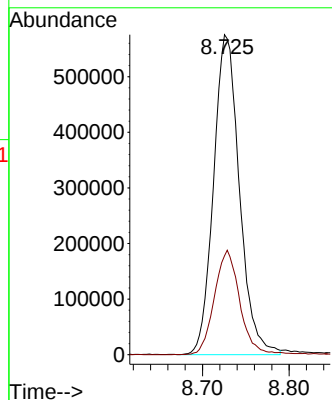
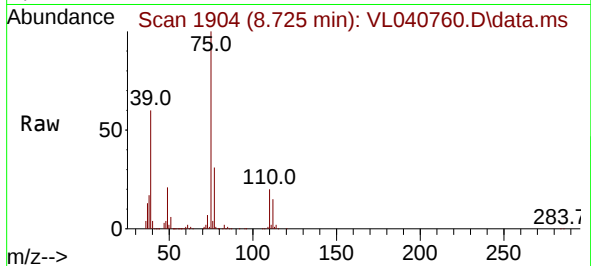
#45
t-1,3-Dichloropropene
Concen: 18.812 ppbv
RT: 8.725 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 75 Resp: 119566
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3

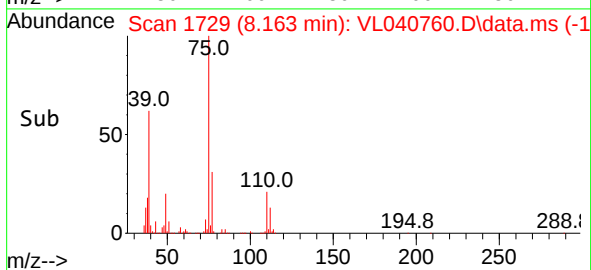
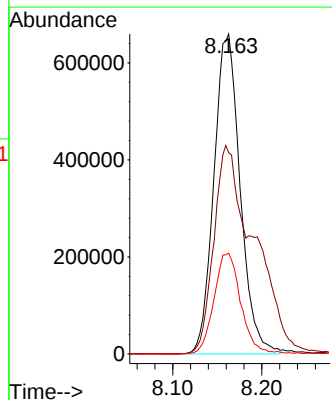
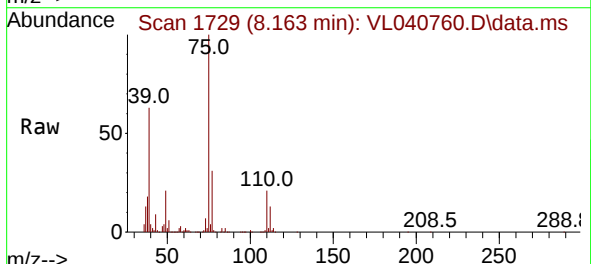
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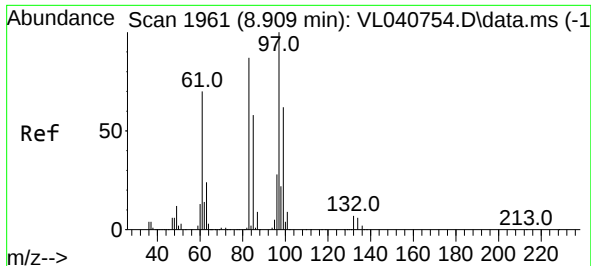
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#46
cis-1,3-Dichloropropene
Concen: 17.397 ppbv
RT: 8.163 min Scan# 1729
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 75 Resp: 1352875
Ion Ratio Lower Upper
75 100
39 62.8 52.4 78.6
77 31.5 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 13.651 ppbv

RT: 8.918 min Scan# 1961

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1329789

Ion Ratio Lower Upper

97 100

83 88.4 69.5 104.3

85 56.9 46.6 69.8

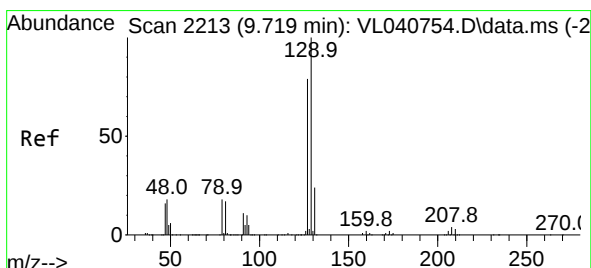
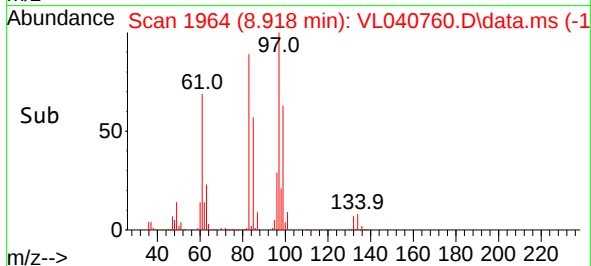
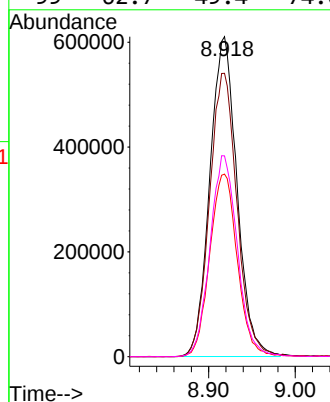
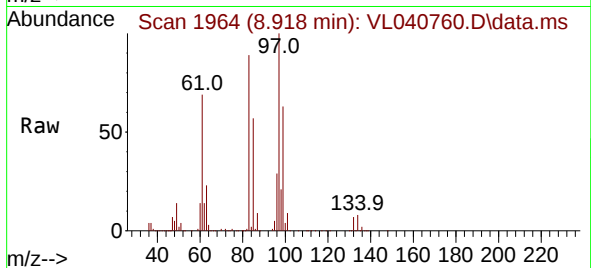
99 62.7 49.4 74.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#48

Dibromochloromethane

Concen: 14.566 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.010 min

Lab File: VL040760.D

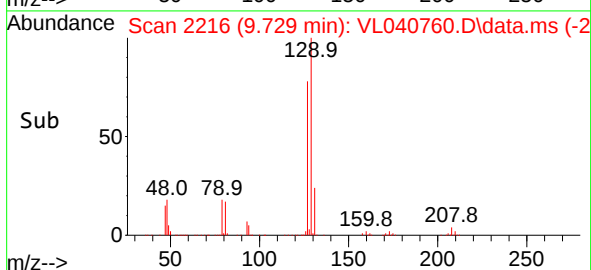
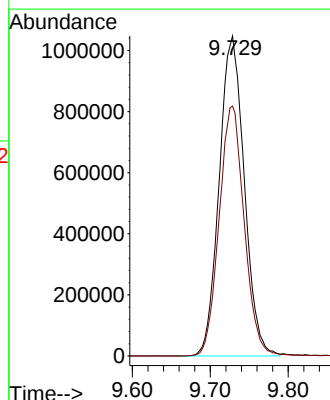
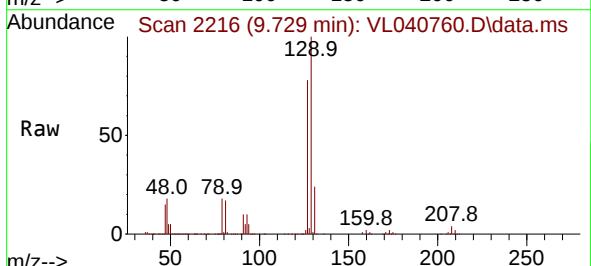
Acq: 11 Oct 2023 15:51

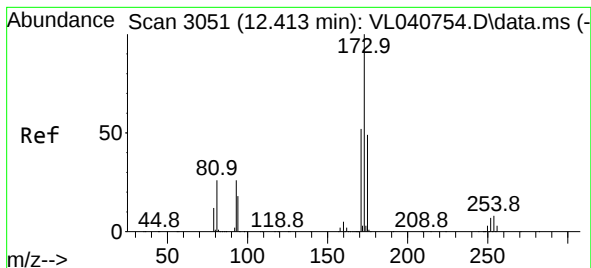
Tgt Ion:129 Resp: 2340656

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3





#49

Bromoform

Concen: 14.936 ppbv

RT: 12.423 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:173 Resp: 1971110

Ion Ratio Lower Upper

173 100

175 49.1 39.2 58.8

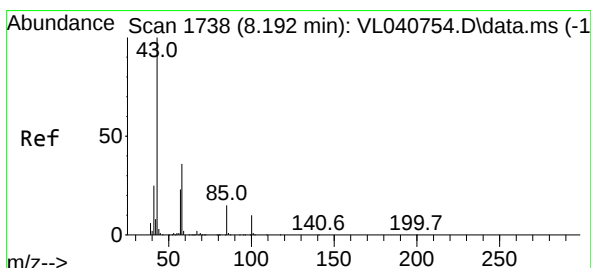
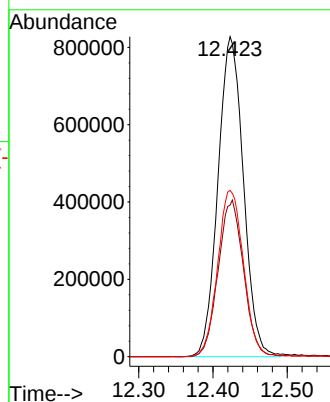
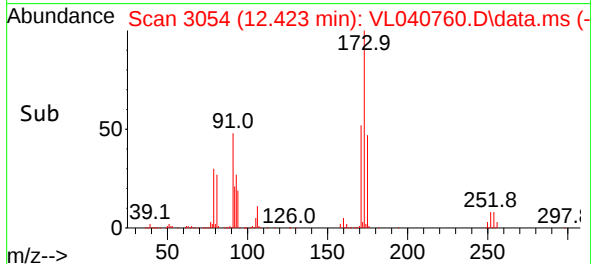
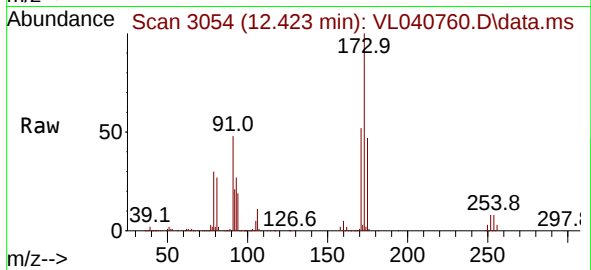
171 53.2 42.0 63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#50

4-Methyl-2-Pentanone

Concen: 16.210 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.003 min

Lab File: VL040760.D

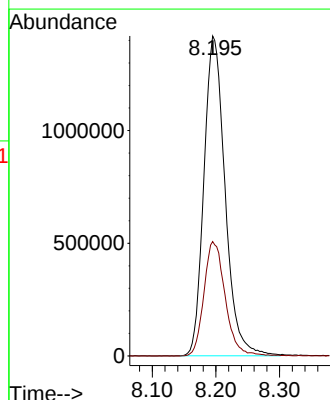
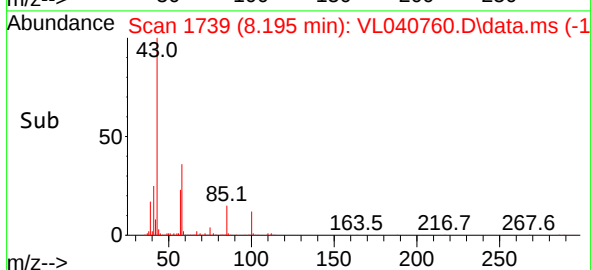
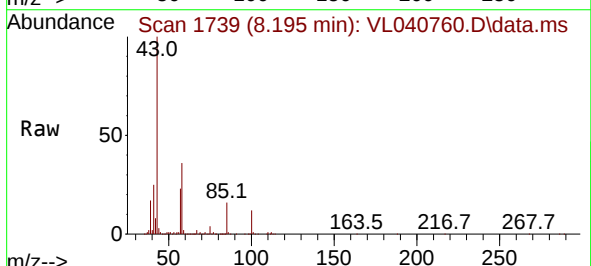
Acq: 11 Oct 2023 15:51

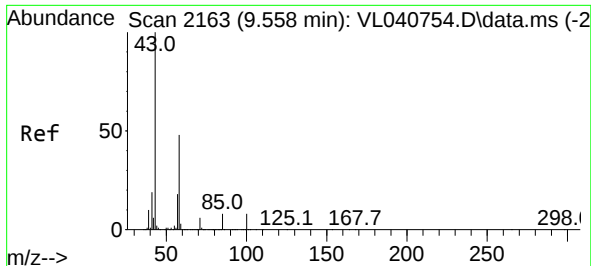
Tgt Ion: 43 Resp: 3280519

Ion Ratio Lower Upper

43 100

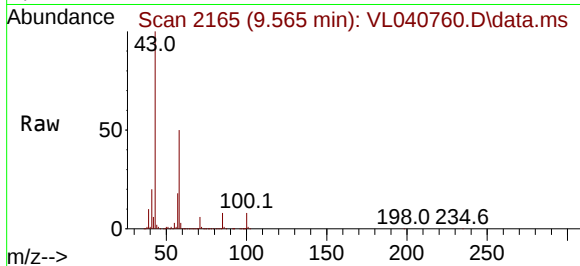
58 36.0 28.8 43.2





#51
2-Hexanone
Concen: 17.942 ppbv
RT: 9.565 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

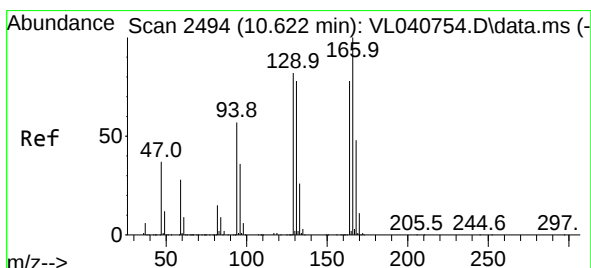
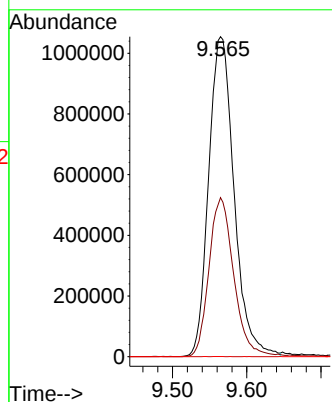
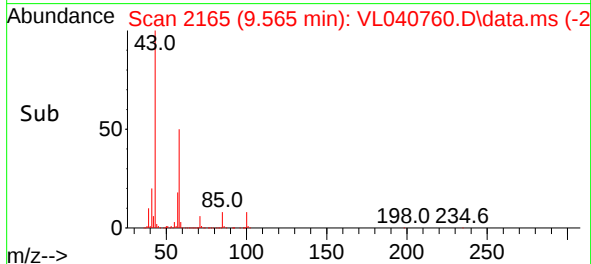
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 2506090
Ion Ratio Lower Upper
43 100
58 49.1 38.6 58.0
98 0.0 0.0 0.0

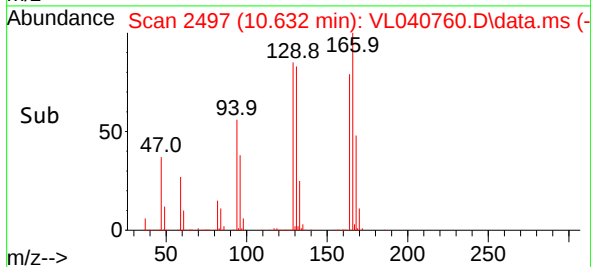
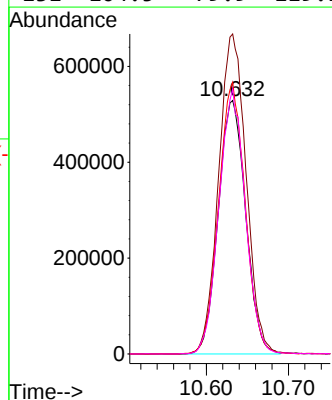
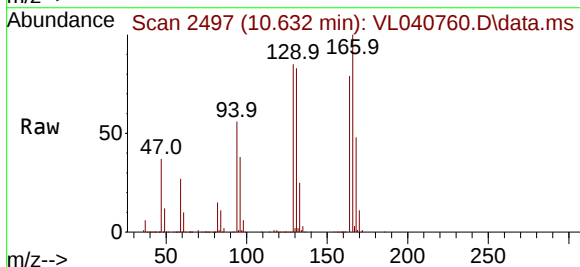
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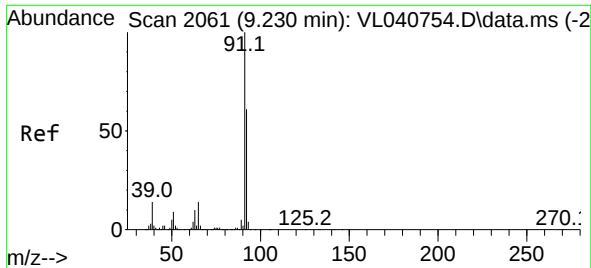
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#52
Tetrachloroethene
Concen: 17.051 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

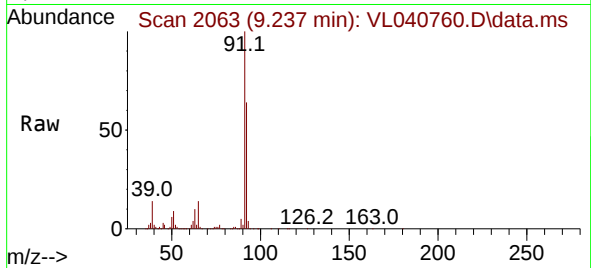
Tgt Ion:164 Resp: 1226536
Ion Ratio Lower Upper
164 100
166 126.3 102.4 153.6
129 107.1 84.2 126.4
131 104.5 79.9 119.9





#53
Toluene
Concen: 16.084 ppbv
RT: 9.237 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

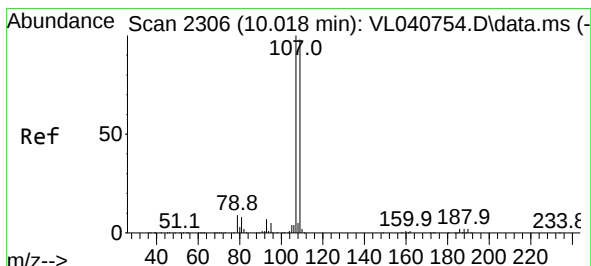
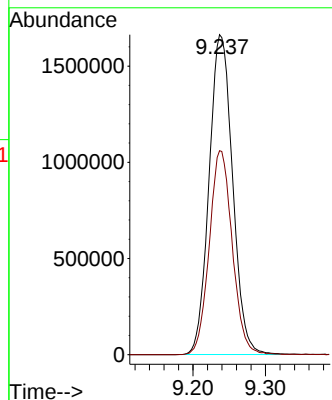
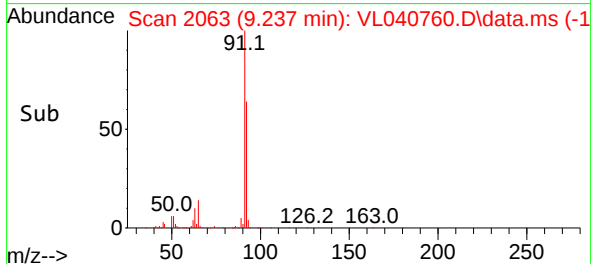
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



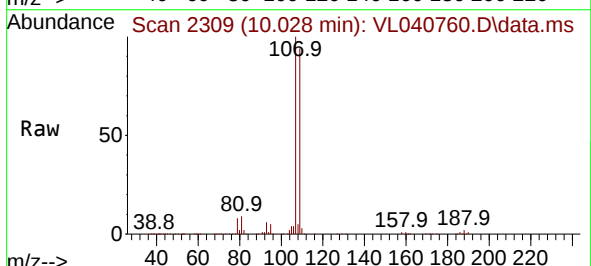
Tgt Ion: 91 Resp: 374449
Ion Ratio Lower Upper
91 100
92 62.5 50.2 75.2

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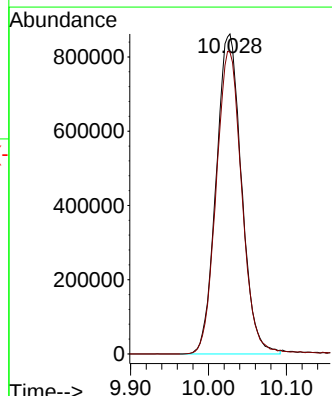
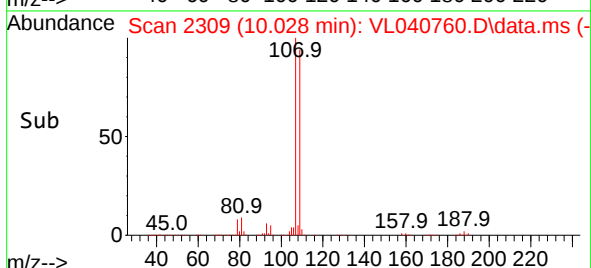
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

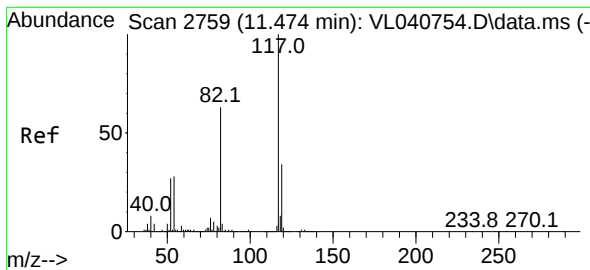


#54
1,2-Dibromoethane
Concen: 15.682 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion:107 Resp: 1949799
Ion Ratio Lower Upper
107 100
109 94.3 78.2 117.2





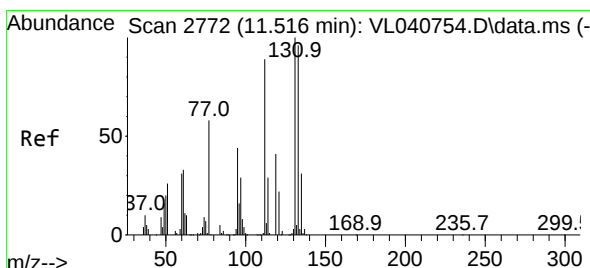
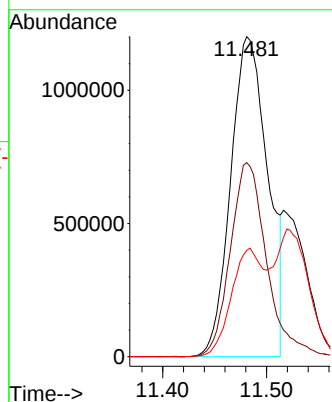
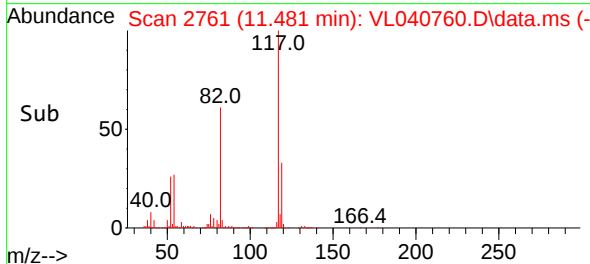
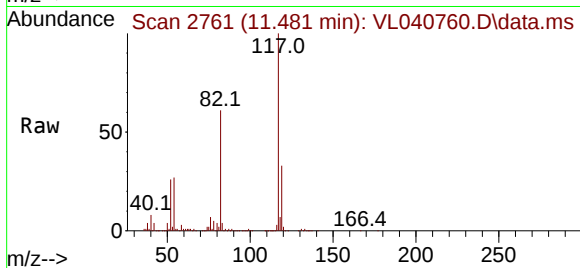
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 2977568
Ion Ratio Lower Upper
117 100
82 59.9 46.6 70.0
119 27.4 26.0 39.0

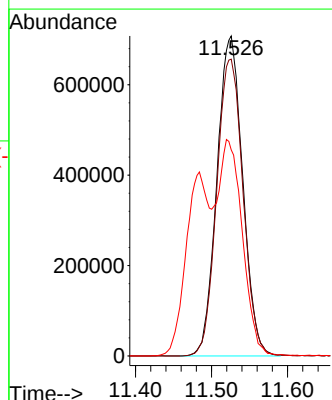
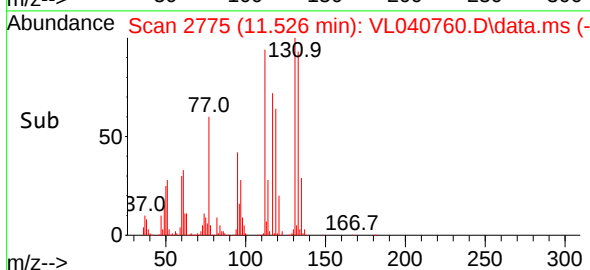
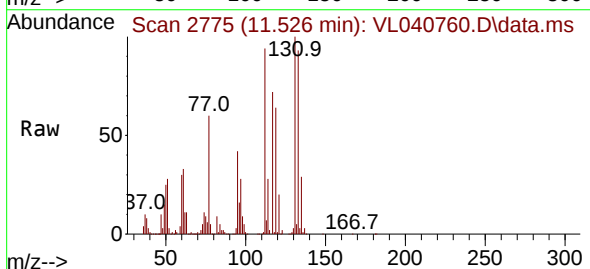
Manual Integrations
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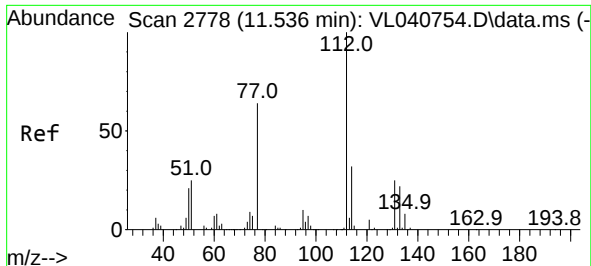
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 11.728 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

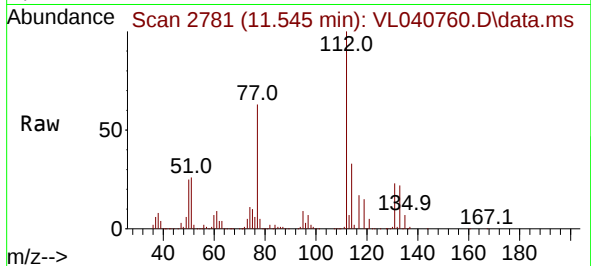
Tgt Ion:131 Resp: 1664595
Ion Ratio Lower Upper
131 100
133 94.9 75.0 112.6
119 62.5 45.4 68.0





#57
Chlorobenzene
Concen: 12.652 ppbv
RT: 11.545 min Scan# 2778
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

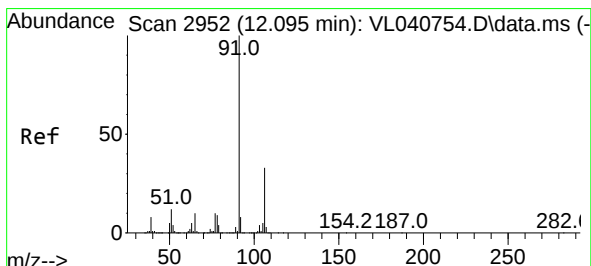
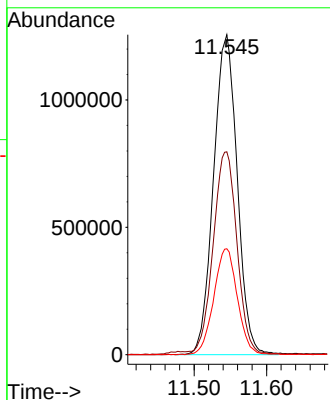
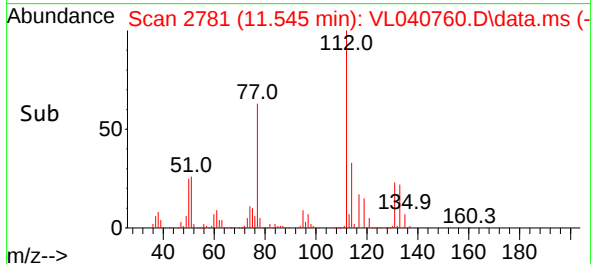
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



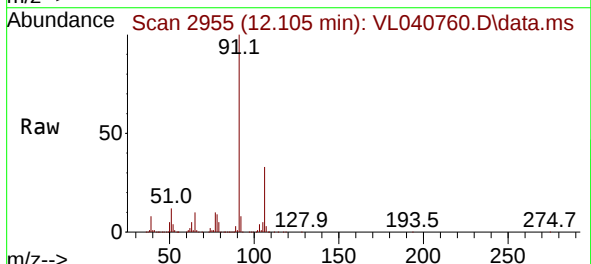
Tgt Ion: 112 Resp: 2852900
Ion Ratio Lower Upper
112 100
77 63.1 51.9 77.9
114 33.0 28.6 35.0

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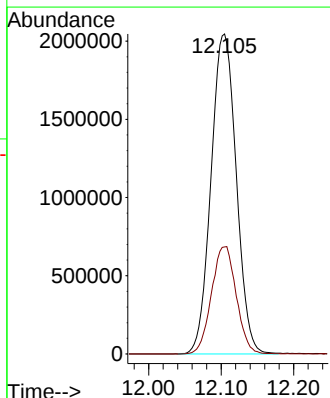
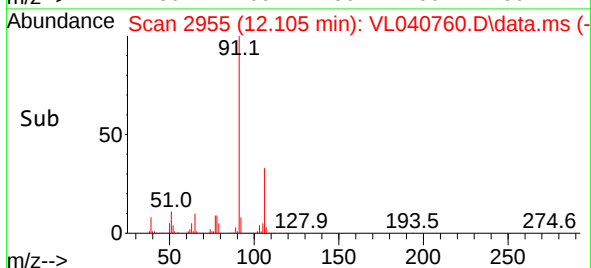
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

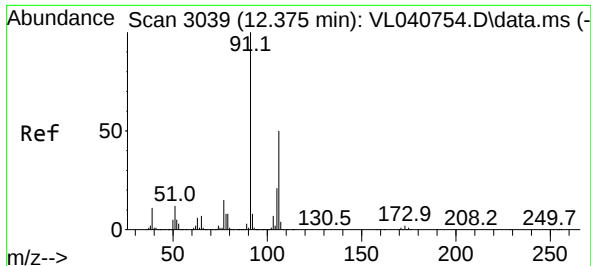


#58
Ethyl Benzene
Concen: 14.564 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 91 Resp: 4944221
Ion Ratio Lower Upper
91 100
106 33.4 26.7 40.1





#59

m/p-Xylene

Concen: 25.255 ppbv m

RT: 12.388 min Scan# 3039

Delta R.T. 0.013 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 805065

Ion Ratio Lower Upper

91 100

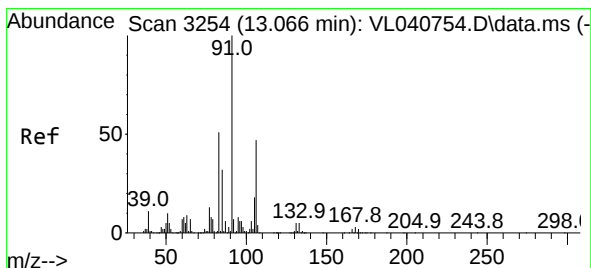
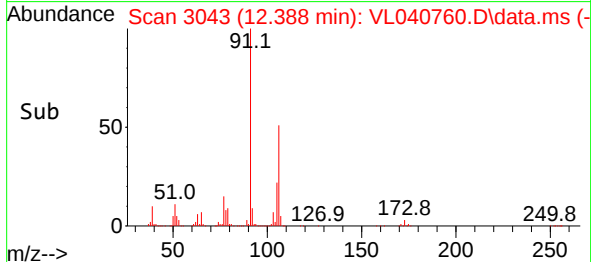
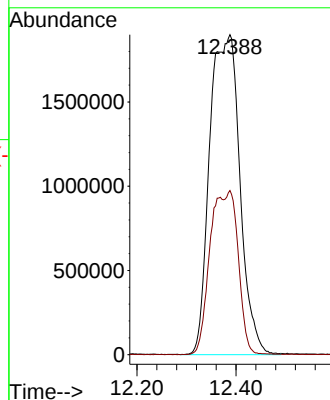
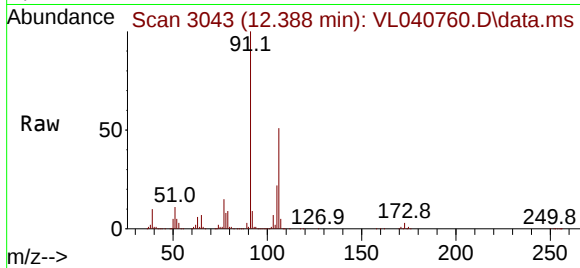
106 47.7 37.7 56.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#60

o-Xylene

Concen: 12.529 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.010 min

Lab File: VL040760.D

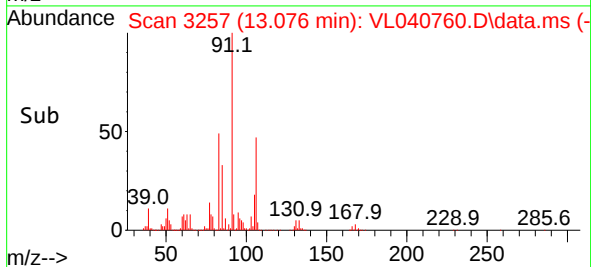
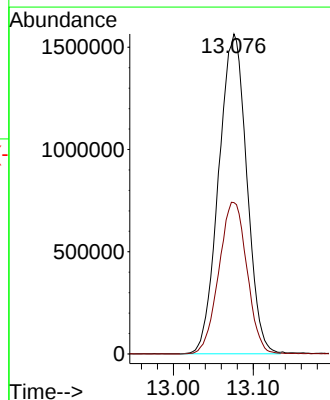
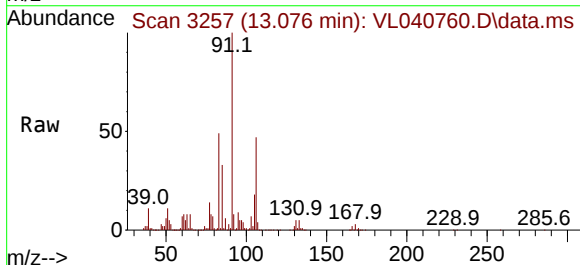
Acq: 11 Oct 2023 15:51

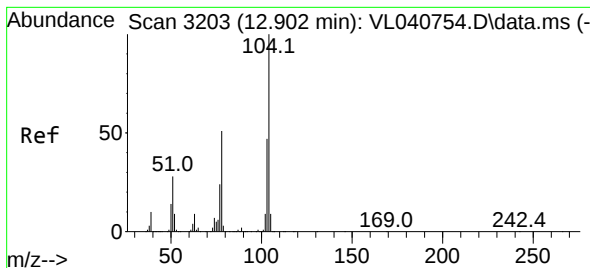
Tgt Ion: 91 Resp: 3808798

Ion Ratio Lower Upper

91 100

106 47.7 23.5 70.5





#61

Styrene

Concen: 18.158 ppbv

RT: 12.912 min Scan# 3206

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:104 Resp: 231341

Ion Ratio Lower Upper

104 100

78 49.7 39.8 59.6

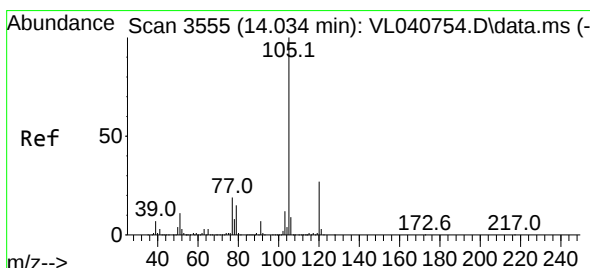
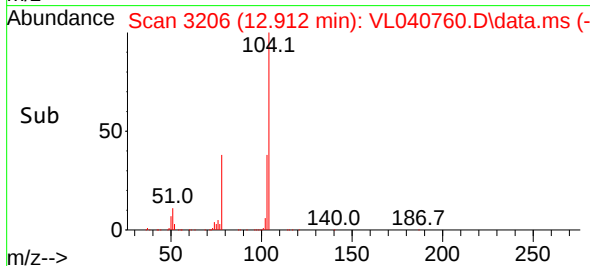
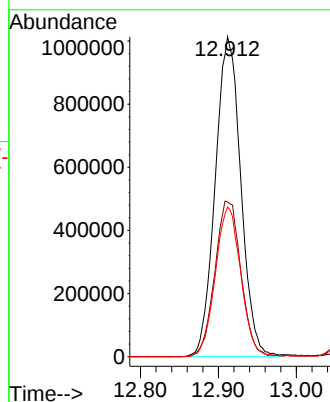
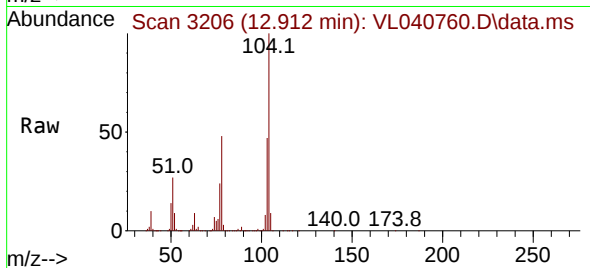
103 46.8 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#62

Isopropylbenzene

Concen: 12.758 ppbv

RT: 14.043 min Scan# 3558

Delta R.T. 0.010 min

Lab File: VL040760.D

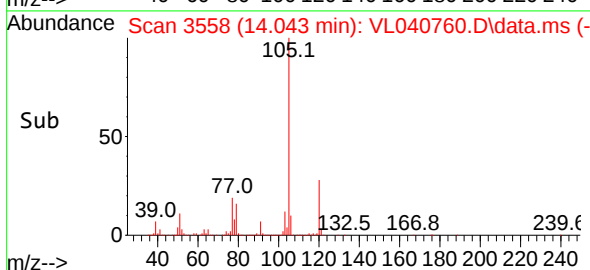
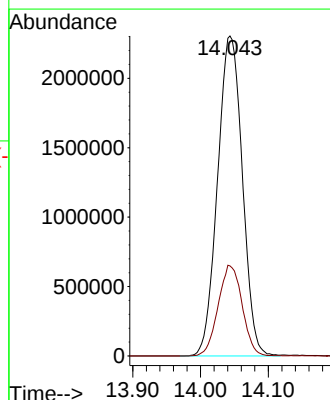
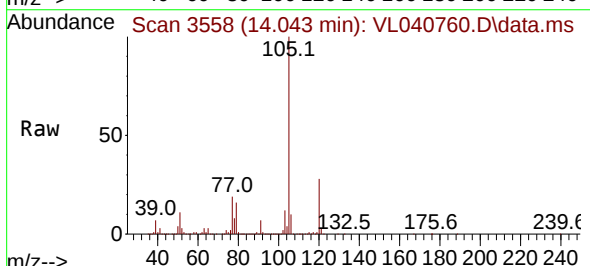
Acq: 11 Oct 2023 15:51

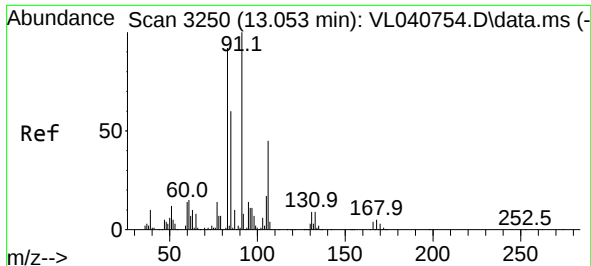
Tgt Ion:105 Resp: 5856158

Ion Ratio Lower Upper

105 100

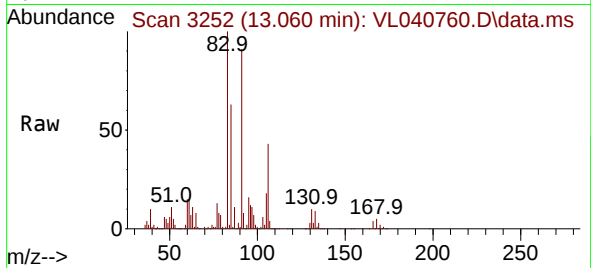
120 27.4 21.5 32.3





#63
1,1,2,2-Tetrachloroethane
Concen: 11.432 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

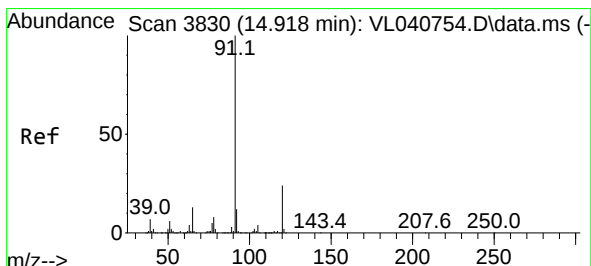
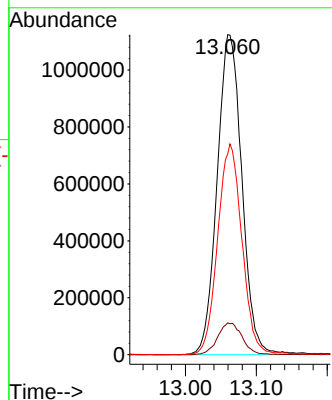
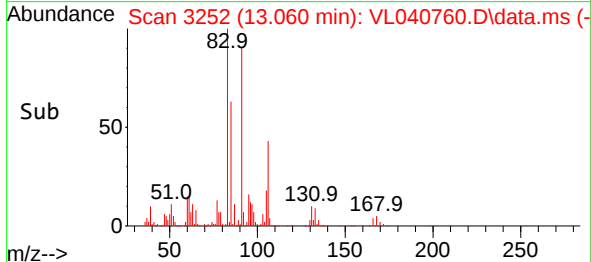
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



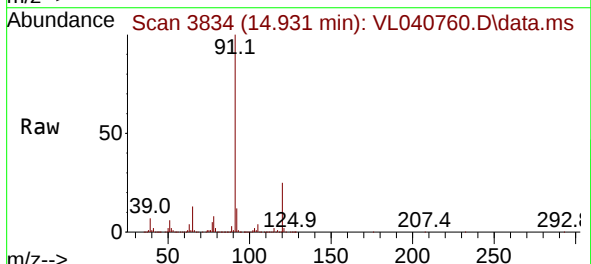
Tgt Ion: 83 Resp: 272379
Ion Ratio Lower Upper
83 100
131 9.9 4.9 14.6
85 65.3 32.9 98.7

Manual Integrations
APPROVED

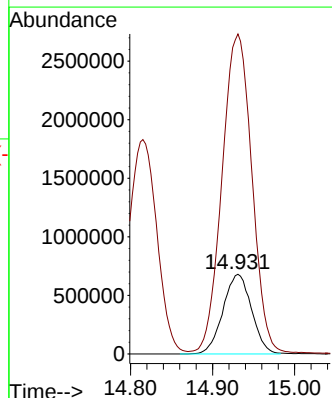
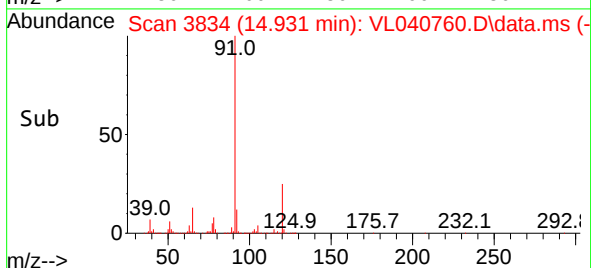
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

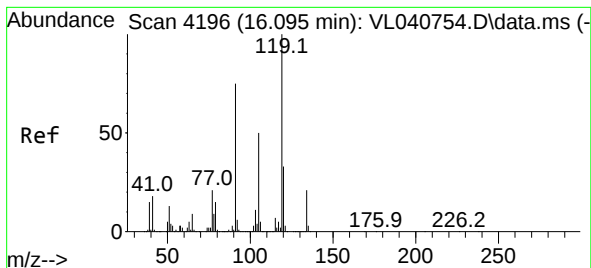


#64
n-propylbenzene
Concen: 14.318 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.013 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion:120 Resp: 1643180
Ion Ratio Lower Upper
120 100
91 422.5 345.9 518.9





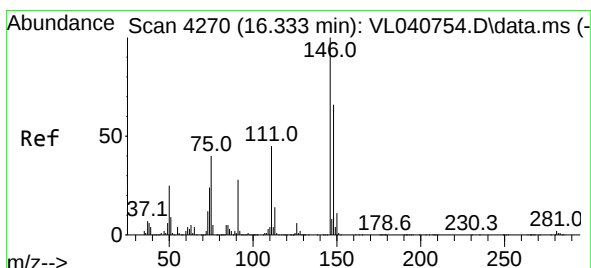
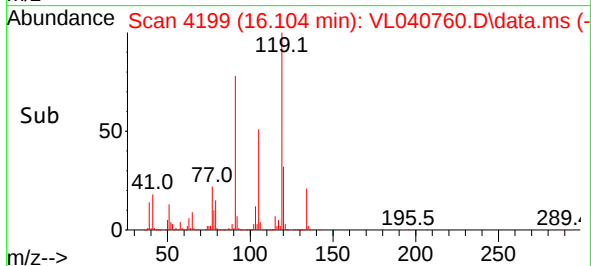
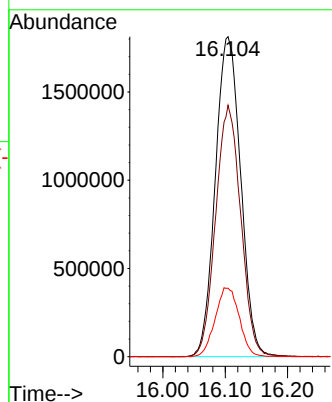
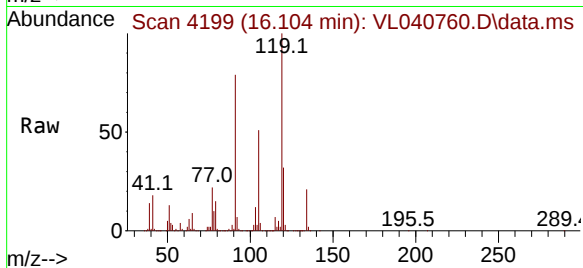
#65
tert-Butylbenzene
Concen: 12.424 ppbv
RT: 16.104 min Scan# 4199
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 511840
Ion Ratio Lower Upper
119 100
91 77.7 62.2 93.2
134 20.5 16.1 24.1

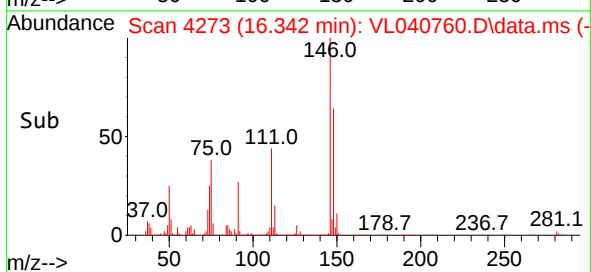
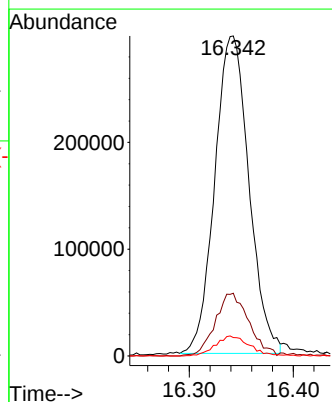
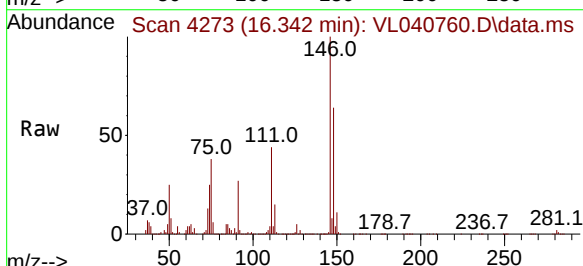
Manual Integrations
APPROVED

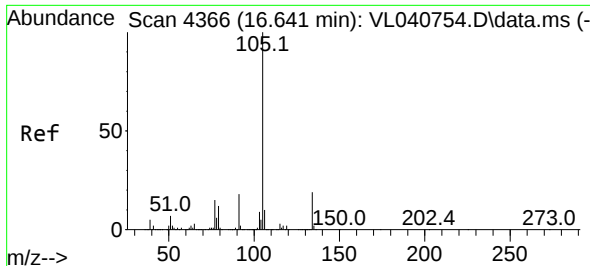
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#66
Benzyl Chloride
Concen: 14.137 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

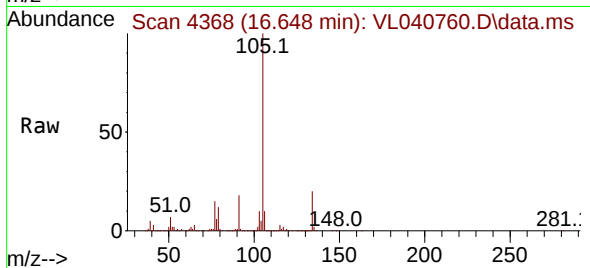
Tgt Ion: 91 Resp: 679722
Ion Ratio Lower Upper
91 100
126 20.0 16.1 24.1
128 6.3 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 12.084 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

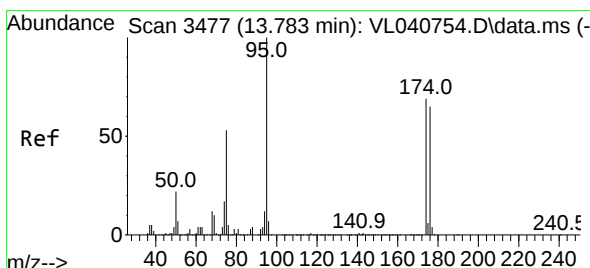
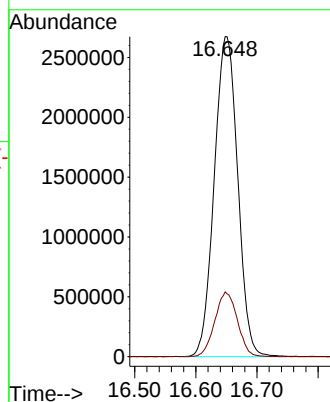
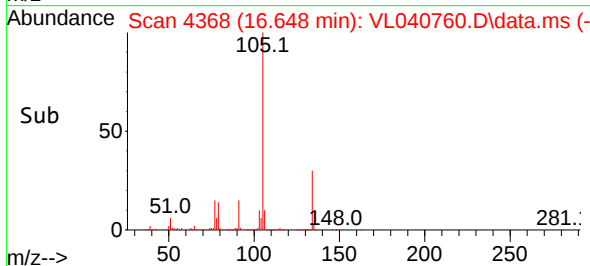
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 712681
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.4 23.2

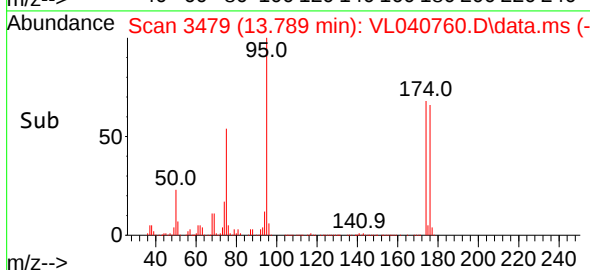
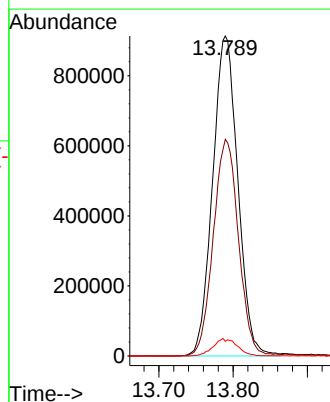
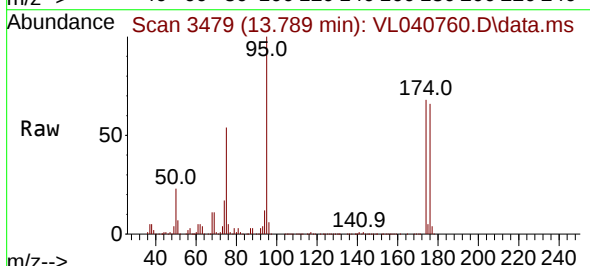
Manual Integrations
 APPROVED

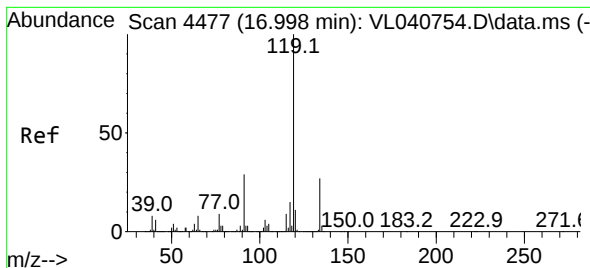
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.367 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

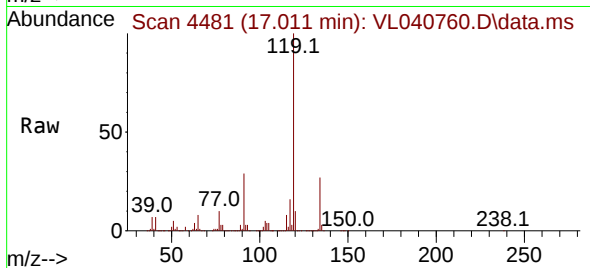
Tgt Ion: 95 Resp: 2154780
 Ion Ratio Lower Upper
 95 100
 174 68.3 54.7 82.1
 175 5.3 4.2 6.4





#69
p-Isopropyltoluene
Concen: 13.027 ppbv
RT: 17.011 min Scan# 4477
Delta R.T. 0.013 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

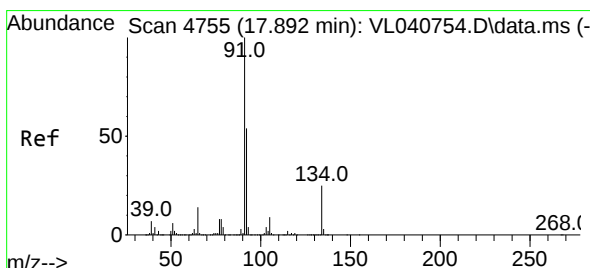
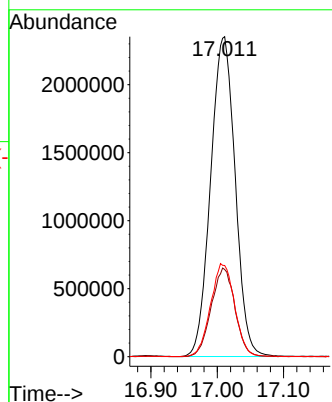
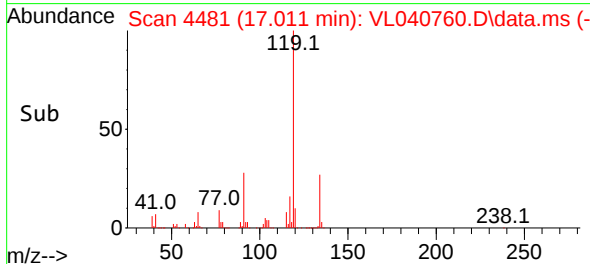
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



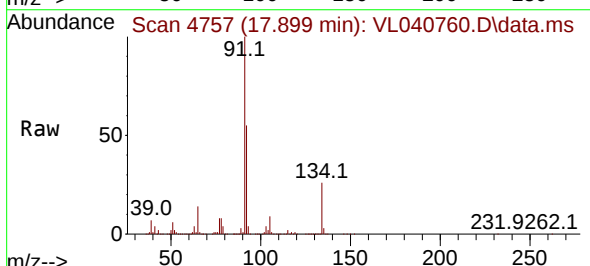
Tgt Ion:119 Resp: 603812
Ion Ratio Lower Upper
119 100
134 26.9 21.0 31.4
91 28.4 22.8 34.2

Manual Integrations
APPROVED

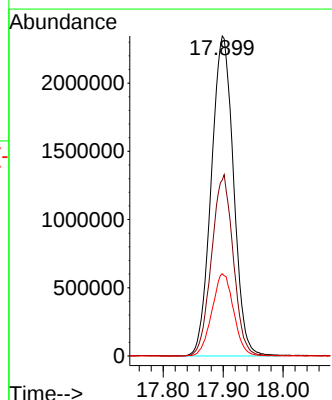
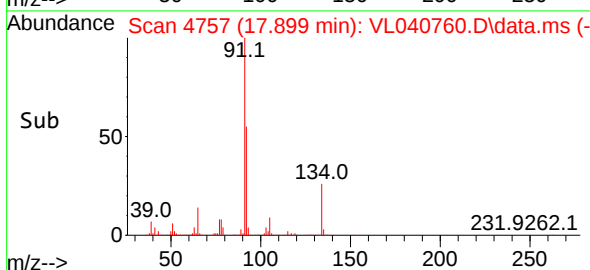
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

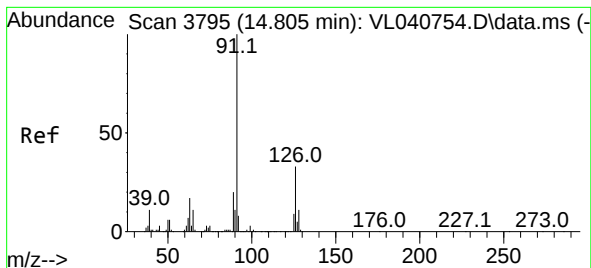


#70
n-Butylbenzene
Concen: 11.821 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



Tgt Ion: 91 Resp: 6030712
Ion Ratio Lower Upper
91 100
92 55.3 44.1 66.1
134 25.2 19.5 29.3





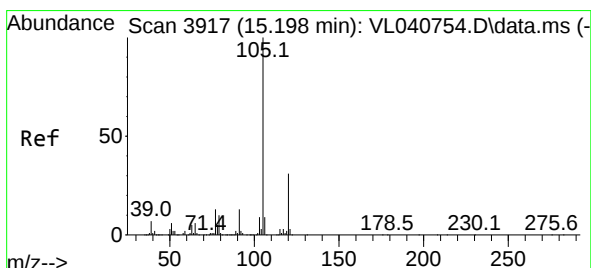
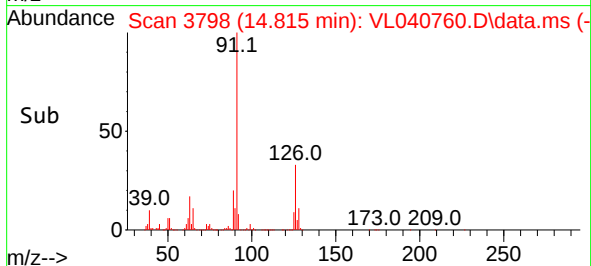
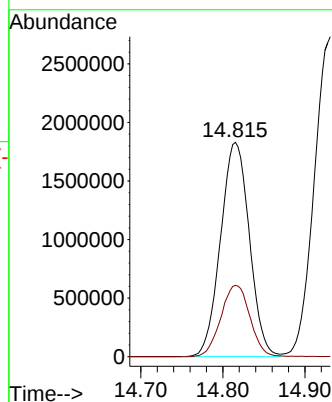
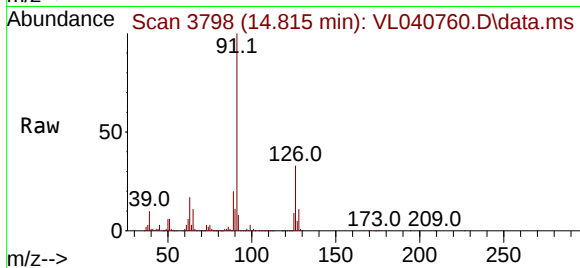
#71
2-Chlorotoluene
Concen: 13.163 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 447018
Ion Ratio Lower Upper
91 100
126 33.7 13.3 53.1

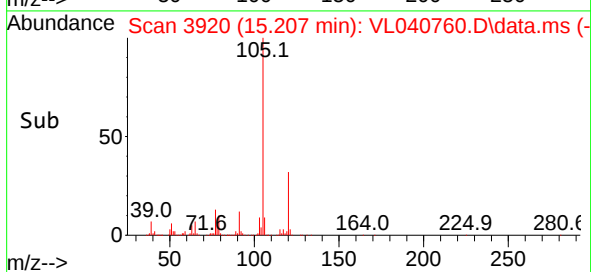
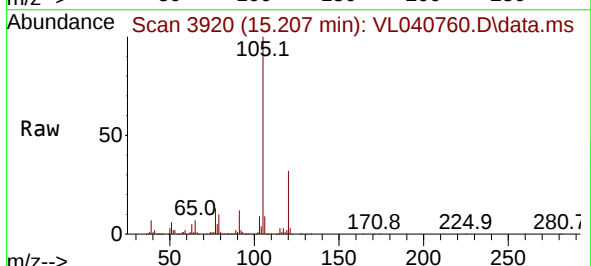
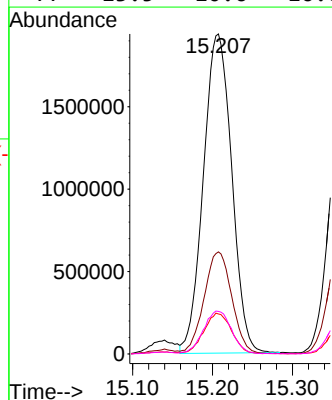
Manual Integrations
APPROVED

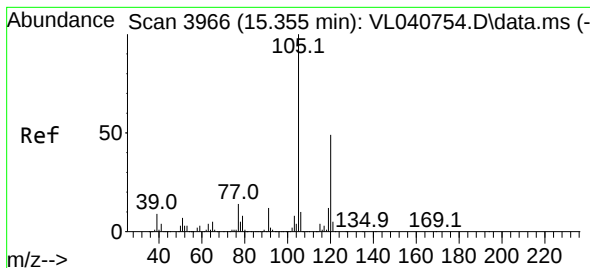
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#72
4-Ethyltoluene
Concen: 13.989 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:105 Resp: 4769025
Ion Ratio Lower Upper
105 100
120 31.5 25.0 37.4
91 12.5 9.8 14.8
77 13.5 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 13.399 ppbv

RT: 15.365 min Scan# 3966

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 411291

Ion Ratio Lower Upper

105 100

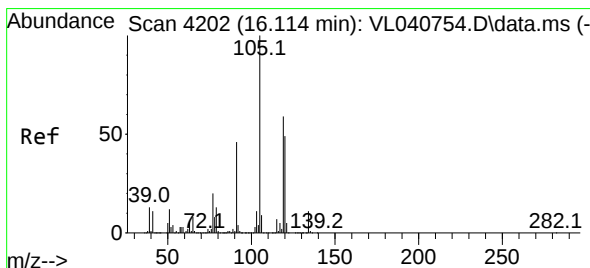
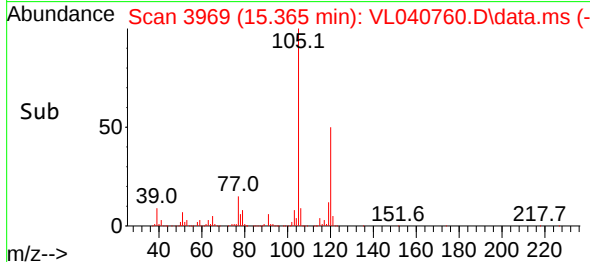
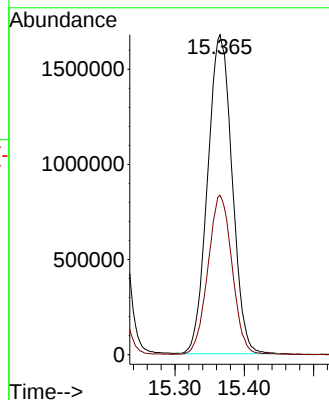
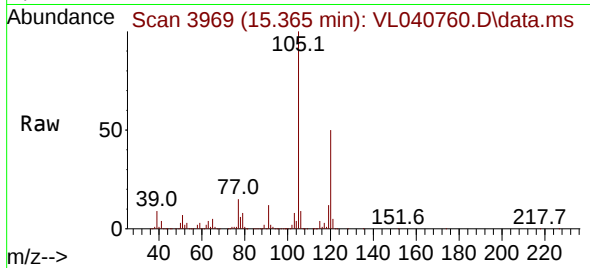
120 49.7 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#74

1,2,4-Trimethylbenzene

Concen: 11.535 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion:105 Resp: 4316410

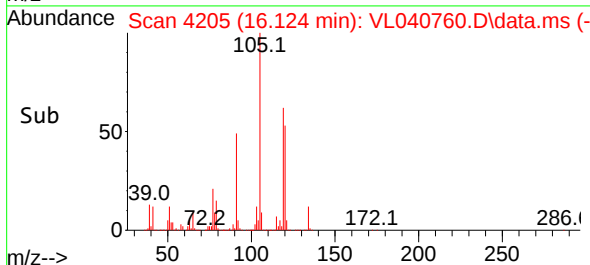
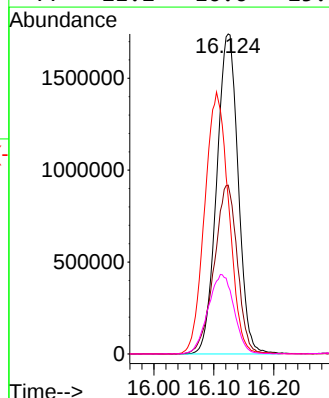
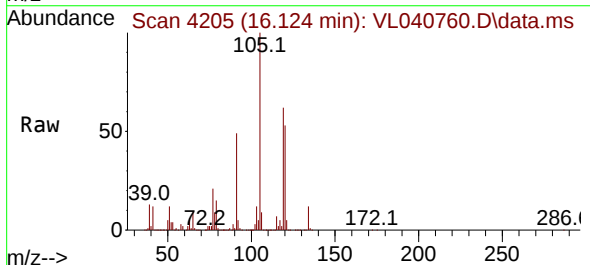
Ion Ratio Lower Upper

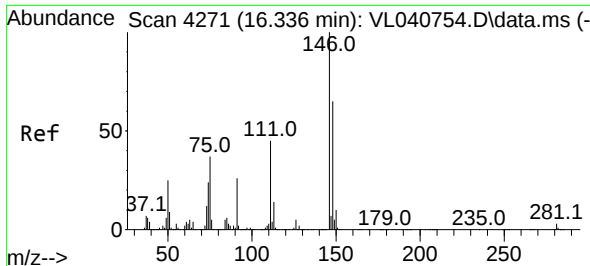
105 100

120 52.7 39.4 59.2

91 48.7 38.6 58.0

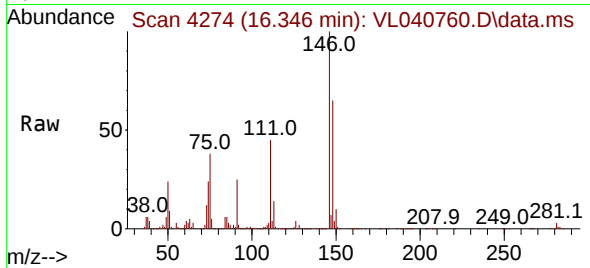
77 21.2 16.6 25.0





#75
1,3-Dichlorobenzene
Concen: 13.059 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

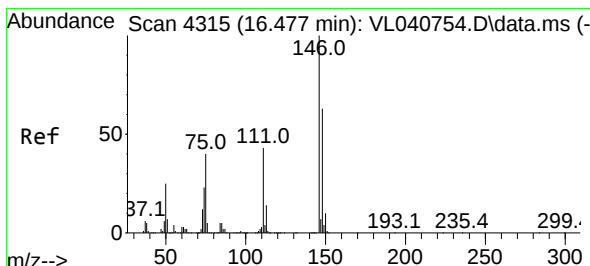
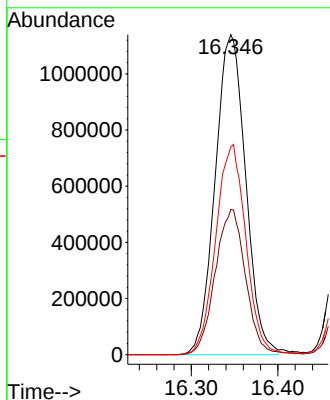
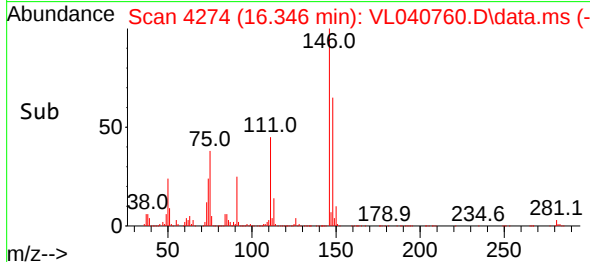
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



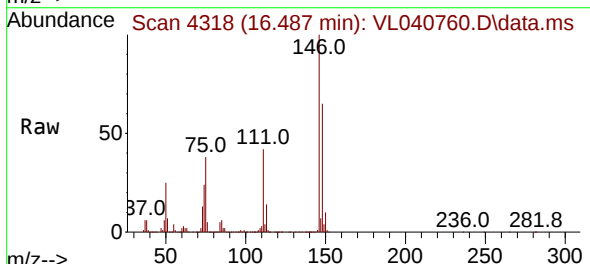
Tgt Ion:146 Resp: 278429
Ion Ratio Lower Upper
146 100
111 45.3 22.6 67.7
148 65.2 32.4 97.0

Manual Integrations
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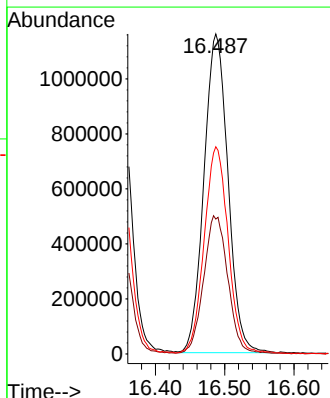
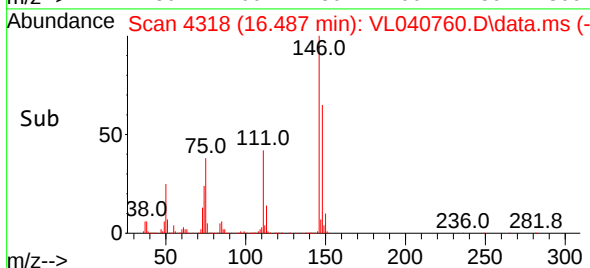
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

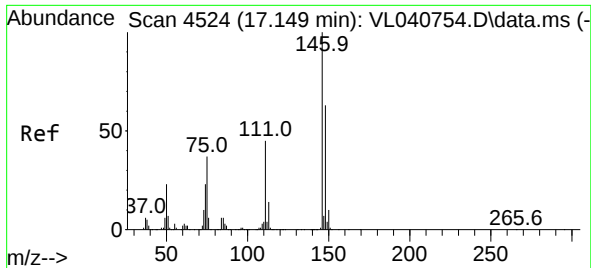


#76
1,4-Dichlorobenzene
Concen: 13.295 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



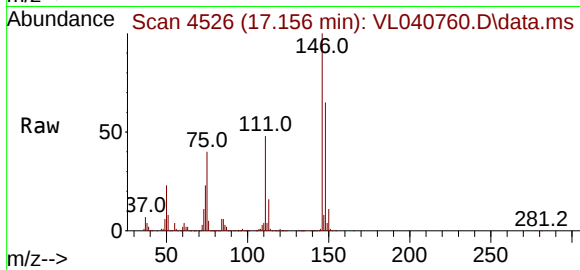
Tgt Ion:146 Resp: 2789049
Ion Ratio Lower Upper
146 100
111 43.9 22.0 66.0
148 65.1 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 12.782 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

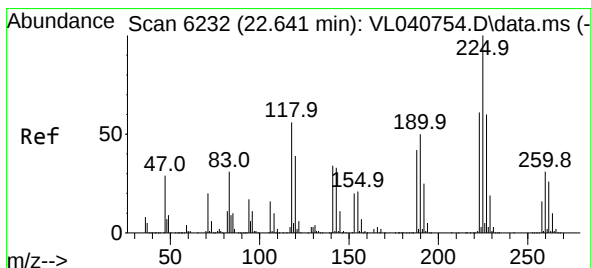
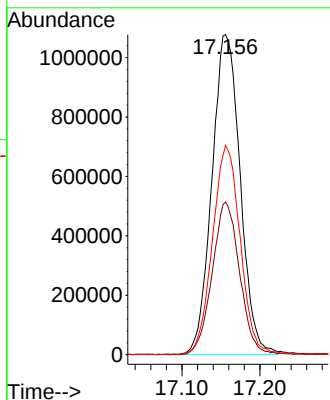
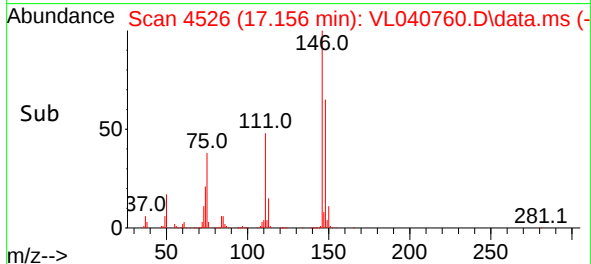
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:146 Resp: 271448
Ion Ratio Lower Upper
146 100
111 46.3 22.9 68.8
148 64.4 32.3 96.8

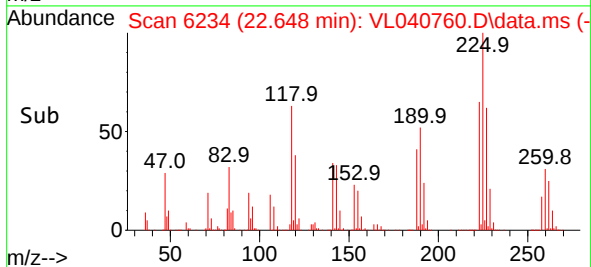
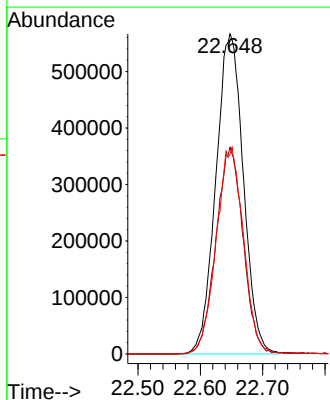
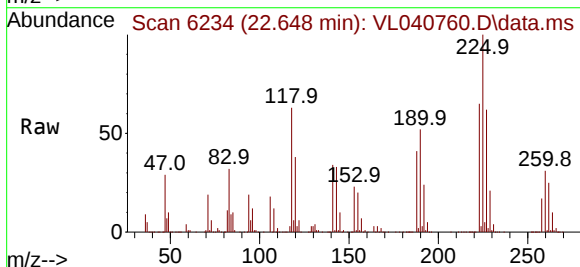
Manual Integrations
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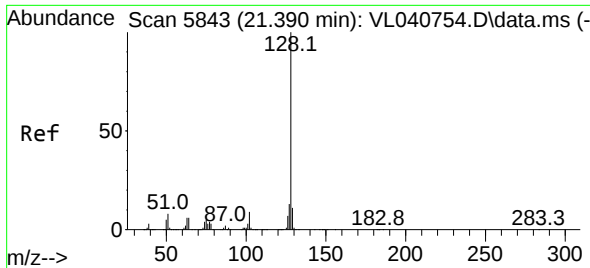
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#78
Hexachloro-1,3-Butadiene
Concen: 10.808 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

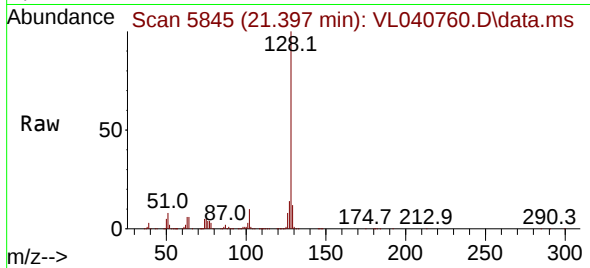
Tgt Ion:225 Resp: 1736651
Ion Ratio Lower Upper
225 100
223 63.9 50.7 76.1
227 64.2 51.4 77.0





#79
Naphthalene
Concen: 18.102 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

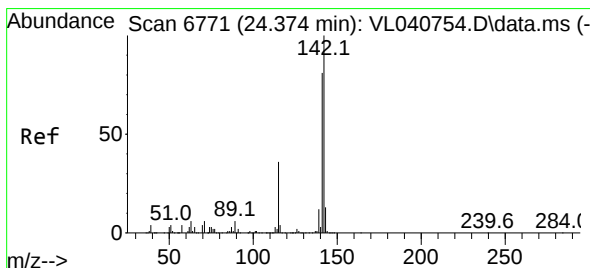
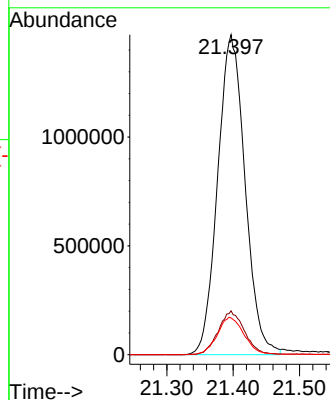
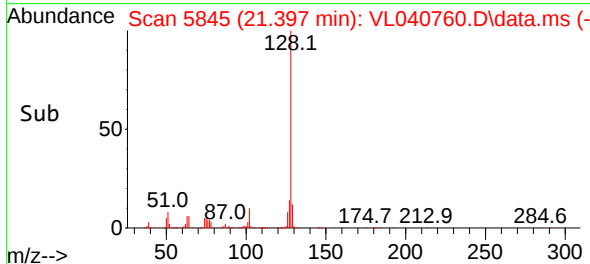
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



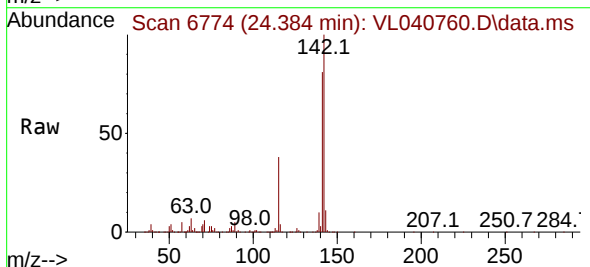
Tgt Ion:128 Resp: 421533
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.5 9.0 13.4

Manual Integrations
APPROVED

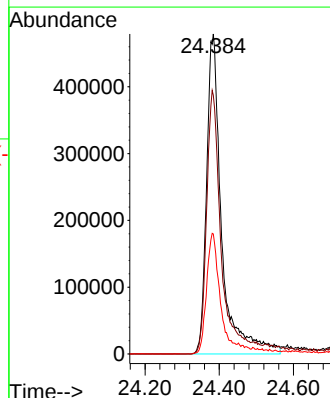
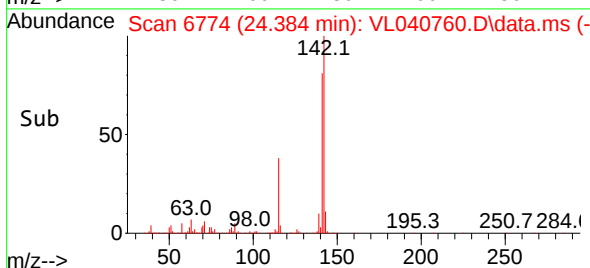
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

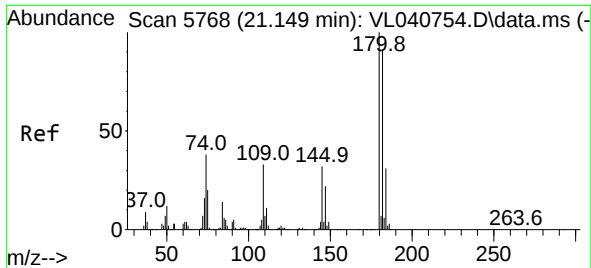


#80
Naphthalene,2-methyl-
Concen: 23.712 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51



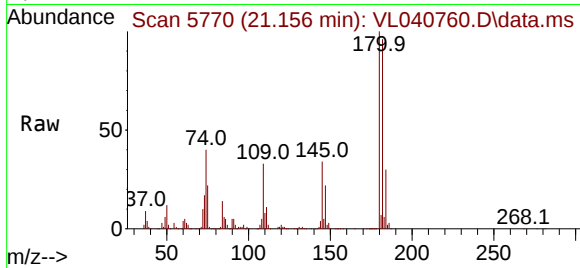
Tgt Ion:142 Resp: 1352427
Ion Ratio Lower Upper
142 100
141 83.8 66.3 99.5
115 36.0 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 13.739 ppbv
 RT: 21.156 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 2089792
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.9 116.9
 184 31.0 25.0 37.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

