

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040757.D
 Acq On : 11 Oct 2023 13:56
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 14:29:25 2023

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

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

QLast Update : Wed Oct 11 14:05:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1094363	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3052709	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2842110	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2118860 9.649 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	99417	0.412	ppbv	95
3) Chlorodifluoromethane	2.703	51	83763	0.470	ppbv	100
4) Chloromethane	2.838	50	33123	0.485	ppbv	98
5) Vinyl Chloride	2.948	62	31519	0.391	ppbv	95
6) Bromomethane	3.147	94	13121	0.337	ppbv	97
7) Chloroethane	3.227	64	11390m	0.411	ppbv	
8) Dichlorotetrafluoroethane	2.883	85	76983	0.387	ppbv	99
9) Propene	2.722	41	30266	0.589	ppbv	88
10) Heptane	7.597	43	78353m	0.677	ppbv	
11) Trichlorofluoromethane	3.587	101	74622	0.352	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	54776	0.361	ppbv	100
13) Ethanol	3.288	45	7319m	0.481	ppbv	
14) Bromoethene	3.391	108	21024	0.331	ppbv #	82
15) Acetone	3.507	43	56640	0.392	ppbv #	84
16) 1,3-Butadiene	3.012	39	30941	0.492	ppbv	94
17) tert-Butyl alcohol	3.915	59	64734	0.438	ppbv	94
18) 1,1-Dichloroethene	3.906	96	23924	0.355	ppbv	82
19) Isopropyl Alcohol	3.616	45	43134m	0.496	ppbv	
20) Methylene Chloride	3.954	84	30282m	0.390	ppbv	
21) Allyl Chloride	4.018	41	37041	0.419	ppbv #	82
22) trans-1,2-Dichloroethene	4.468	96	25956	0.390	ppbv	97
23) Vinyl Acetate	4.655	43	63739	0.427	ppbv #	89
24) 1,1-Dichloroethane	4.584	63	50191	0.359	ppbv	97
25) Ethyl Acetate	5.230	43	131656	0.566	ppbv	97
26) Hexane	5.230	57	60137	0.546	ppbv	94
27) Carbon Disulfide	4.147	76	60331	0.393	ppbv #	77
28) Methyl tert-Butyl Ether	4.616	73	38062	0.402	ppbv #	89
29) Chloroform	5.292	83	83383	0.439	ppbv	100
30) Cyclohexane	6.616	84	51933m	0.626	ppbv	
31) cis-1,2-Dichloroethene	5.099	61	49041	0.480	ppbv #	89
32) 1,1,1-Trichloroethane	6.021	97	84702	0.436	ppbv	97
34) 2-Butanone	4.816	43	67102m	0.437	ppbv	
35) Carbon Tetrachloride	6.510	117	82829	0.395	ppbv	93
36) Benzene	6.385	78	115848	0.512	ppbv	95
37) 1,2-Dichloroethane	5.822	62	58166m	0.376	ppbv	
38) Trichloroethene	7.304	130	47237m	0.548	ppbv	
39) 1,2-Dichloropropane	7.089	63	48131m	0.553	ppbv	
40) 1,4-Dioxane	7.336	88	18389m	0.559	ppbv	
41) Tetrahydrofuran	5.597	42	45060	0.572	ppbv	93
42) Bromodichloromethane	7.266	83	85882	0.407	ppbv	95
43) Methyl Methacrylate	7.497	69	45834m	0.545	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	200234	0.556	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	32320m	0.496	ppbv	

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Instrument :
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Manual Integrations
 APPROVED

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 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 14:29:25 2023

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

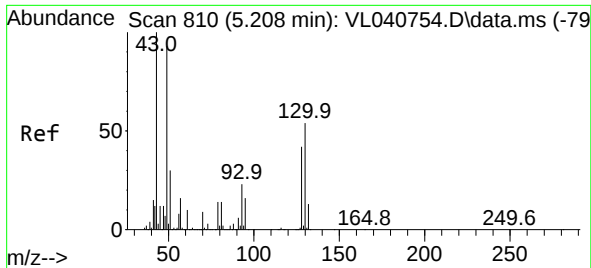
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Oct 11 14:05:42 2023

Response via : Initial Calibration

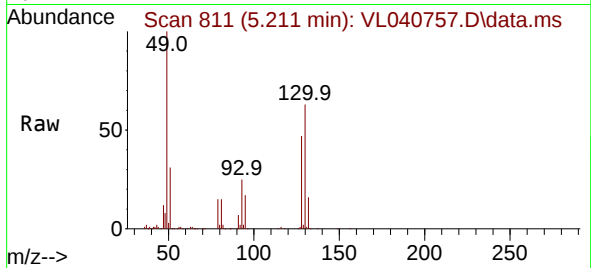
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	43905m	0.551	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	49079	0.491	ppbv	97
48) Dibromochloromethane	9.719	129	74279	0.451	ppbv	99
49) Bromoform	12.420	173	54362	0.402	ppbv	91
50) 4-Methyl-2-Pentanone	8.214	43	114001	0.550	ppbv	93
51) 2-Hexanone	9.587	43	92671m	0.647	ppbv	
52) Tetrachloroethene	10.622	164	48078	0.652	ppbv	87
53) Toluene	9.230	91	143933	0.603	ppbv	100
54) 1,2-Dibromoethane	10.018	107	68655m	0.539	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.523	131	61414	0.453	ppbv #	1
57) Chlorobenzene	11.542	112	111301m	0.517	ppbv	
58) Ethyl Benzene	12.102	91	196511m	0.606	ppbv	
59) m/p-Xylene	12.362	91	319882m	1.051	ppbv	
60) o-Xylene	13.073	91	152288	0.525	ppbv	100
61) Styrene	12.905	104	79990m	0.658	ppbv	
62) Isopropylbenzene	14.040	105	235436	0.537	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	101599	0.447	ppbv	96
64) n-propylbenzene	14.931	120	60801m	0.555	ppbv	
65) tert-Butylbenzene	16.101	119	217181	0.552	ppbv	98
66) Benzyl Chloride	16.333	91	17104m	0.373	ppbv	
67) sec-Butylbenzene	16.648	105	288863	0.513	ppbv	99
69) p-Isopropyltoluene	17.011	119	236219	0.534	ppbv	99
70) n-Butylbenzene	17.899	91	231315	0.475	ppbv	99
71) 2-Chlorotoluene	14.809	91	178303	0.550	ppbv	99
72) 4-Ethyltoluene	15.204	105	166645	0.512	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.362	105	152449	0.520	ppbv	94
74) 1,2,4-Trimethylbenzene	16.114	105	167891	0.470	ppbv #	84
75) 1,3-Dichlorobenzene	16.346	146	105188m	0.517	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	105231m	0.526	ppbv	
77) 1,2-Dichlorobenzene	17.166	146	108268m	0.534	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	77973	0.508	ppbv	96
79) Naphthalene	21.400	128	123945m	0.558	ppbv	
80) Naphthalene,2-methyl-	24.394	142	26726m	0.491	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	66522m	0.458	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

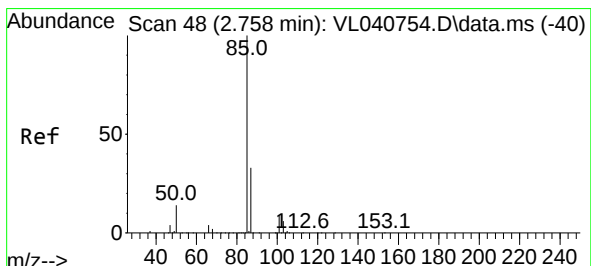
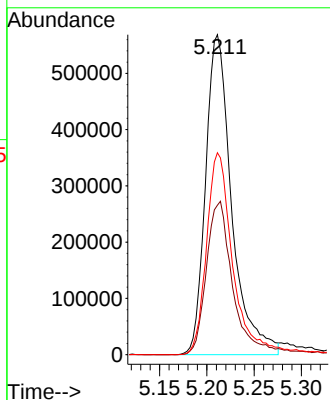
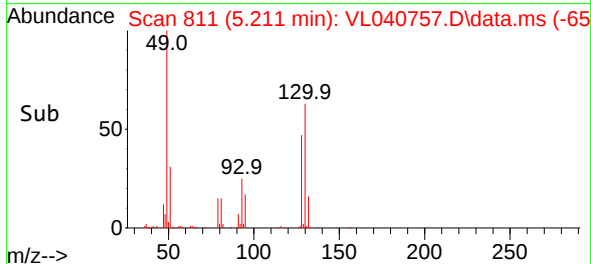
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 109436
Ion Ratio Lower Upper
49 100
128 50.3 23.9 71.7
130 64.8 30.7 92.1

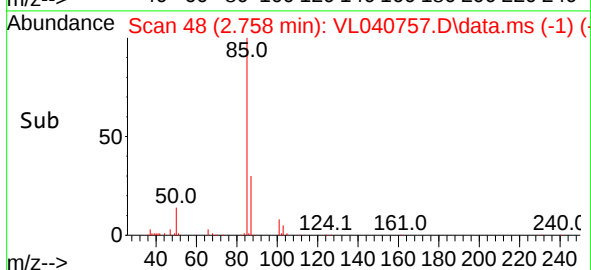
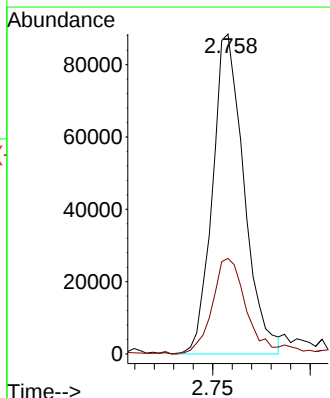
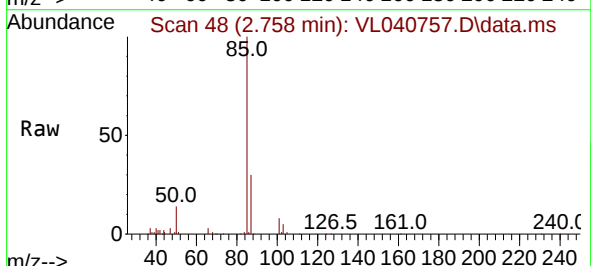
Manual Integrations
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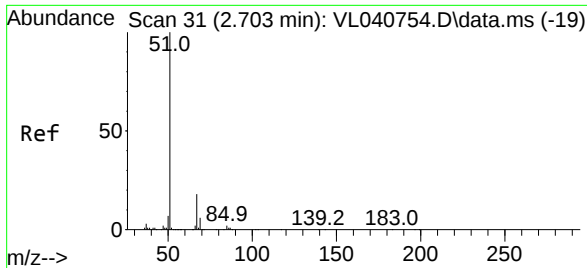
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#2
Dichlorodifluoromethane
Concen: 0.412 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 85 Resp: 99417
Ion Ratio Lower Upper
85 100
87 29.6 26.0 39.0





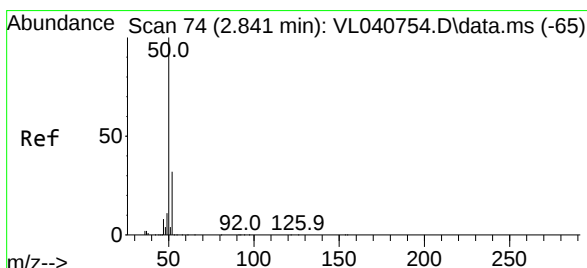
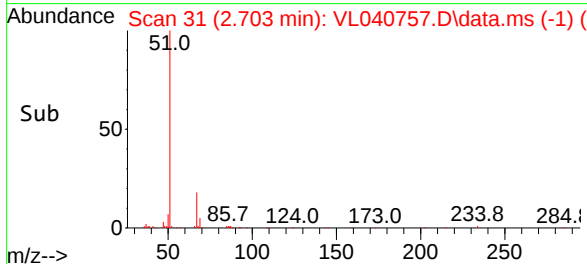
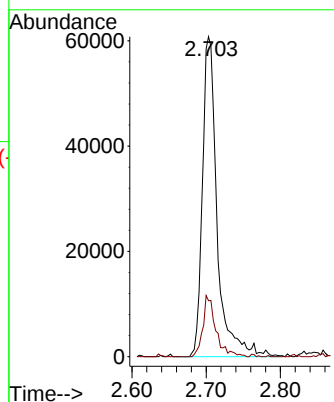
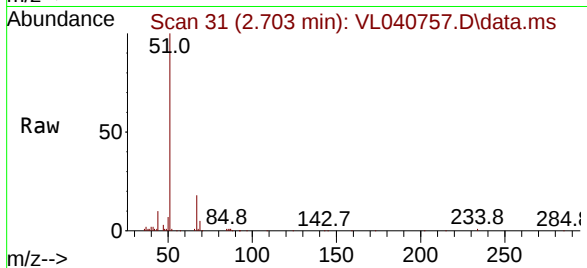
#3
Chlorodifluoromethane
Concen: 0.470 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 8376
Ion Ratio Lower Upper
51 100
67 17.2 13.8 20.6

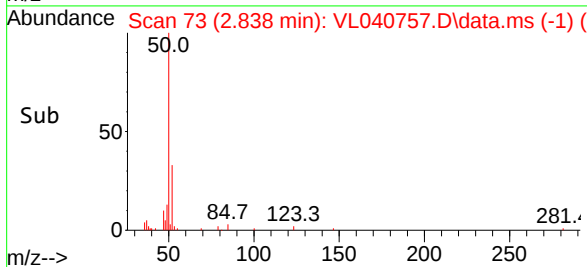
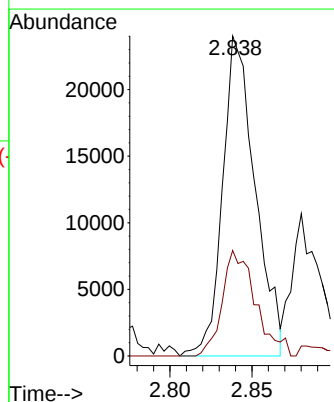
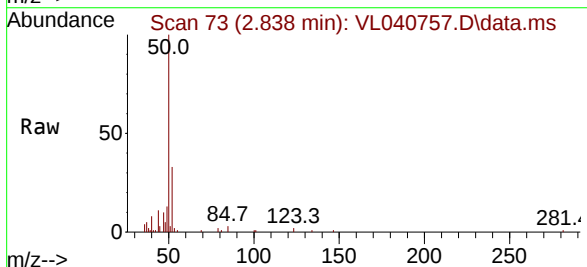
Manual Integrations
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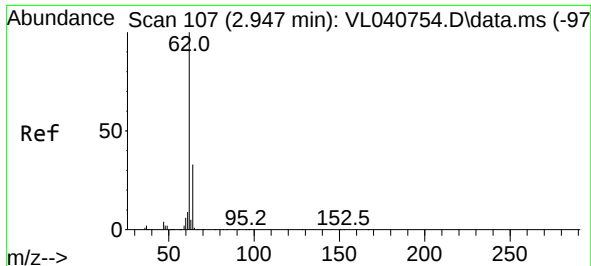
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#4
Chloromethane
Concen: 0.485 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 50 Resp: 33123
Ion Ratio Lower Upper
50 100
52 33.0 25.3 37.9





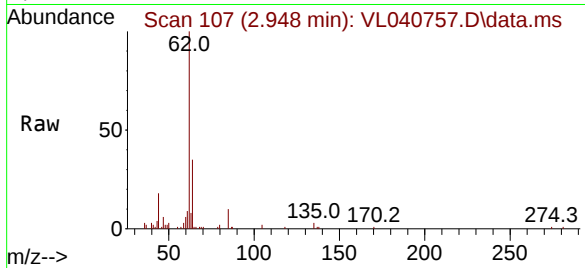
#5
 Vinyl Chloride
 Concen: 0.391 ppbv
 RT: 2.948 min Scan# 107
 Delta R.T. 0.000 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

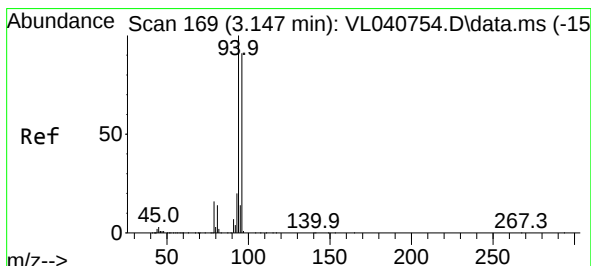
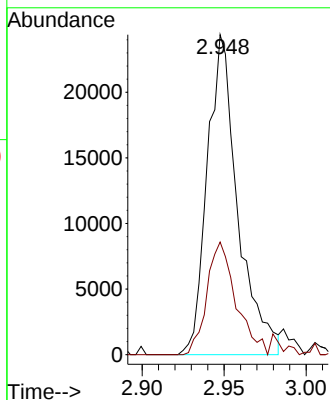
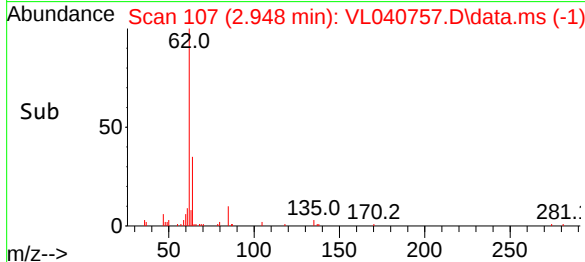


Tgt Ion: 62 Resp: 31519
 Ion Ratio Lower Upper
 62 100
 64 36.2 26.6 39.8

Manual Integrations

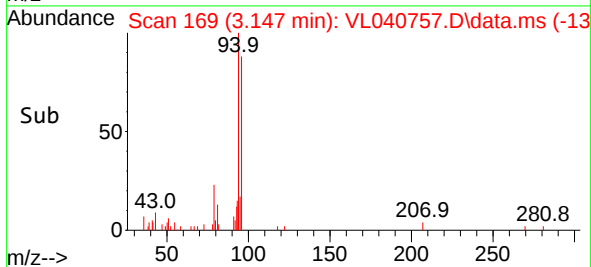
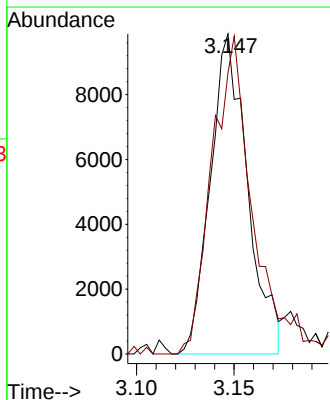
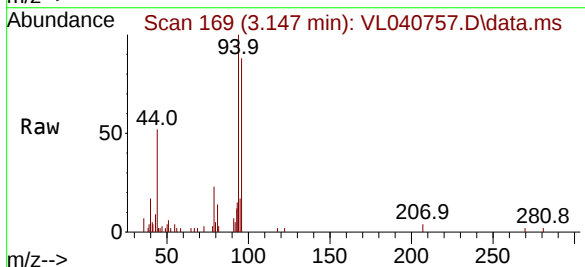
APPROVED

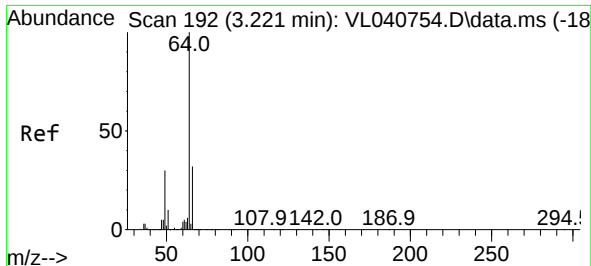
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#6
 Bromomethane
 Concen: 0.337 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

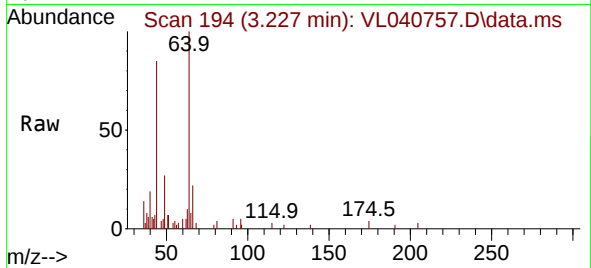
Tgt Ion: 94 Resp: 13121
 Ion Ratio Lower Upper
 94 100
 96 87.8 72.6 109.0





#7
Chloroethane
Concen: 0.411 ppbv m
RT: 3.227 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

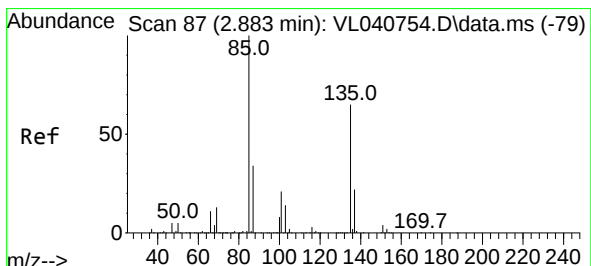
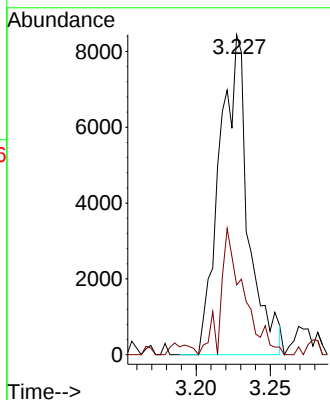
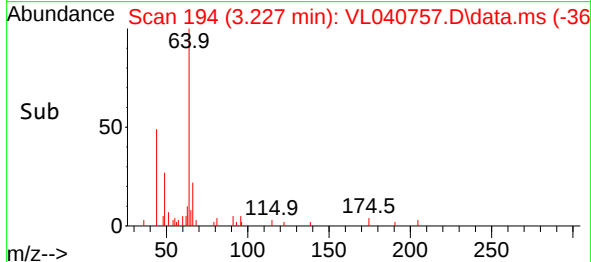
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 11390
Ion Ratio Lower Upper
64 100
66 21.8 25.4 38.2

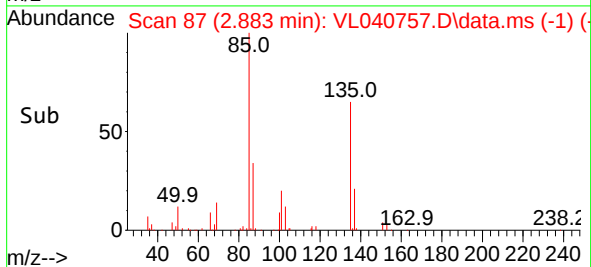
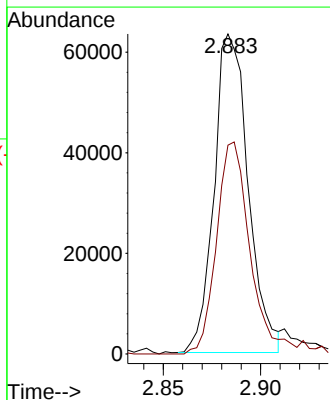
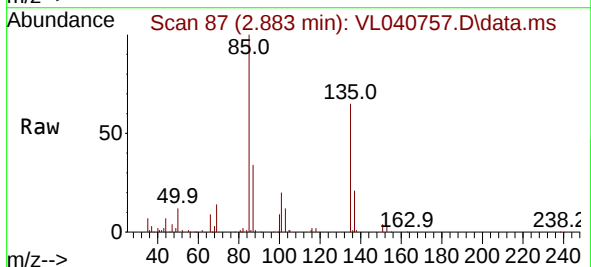
Manual Integrations
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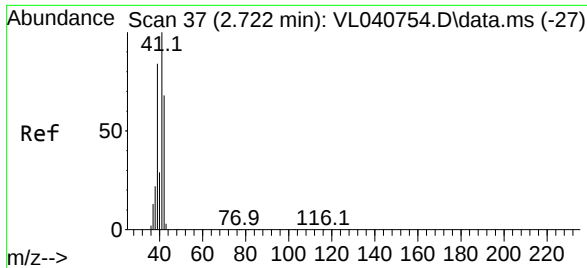
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#8
Dichlorotetrafluoroethane
Concen: 0.387 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

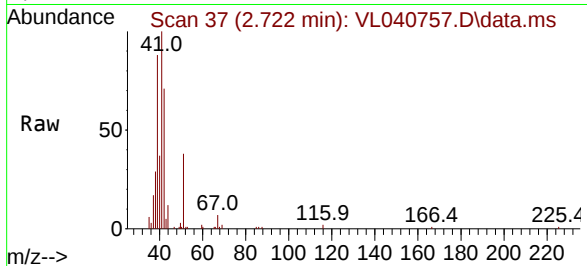
Tgt Ion: 85 Resp: 76983
Ion Ratio Lower Upper
85 100
135 68.6 55.4 83.2





#9
Propene
Concen: 0.589 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

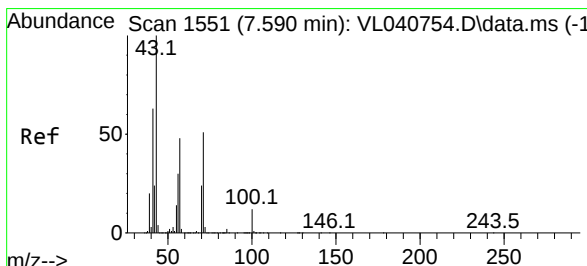
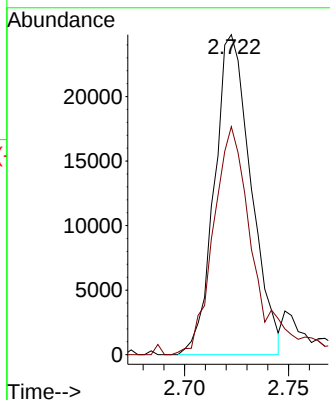
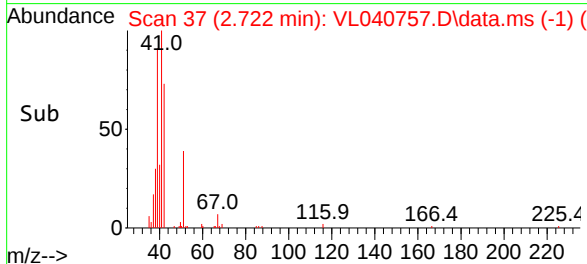
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



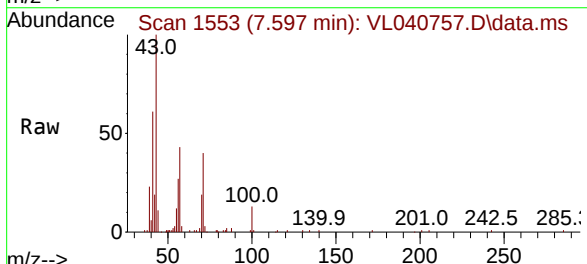
Tgt Ion: 41 Resp: 30260
Ion Ratio Lower Upper
41 100
42 81.2 57.1 85.7

Manual Integrations
APPROVED

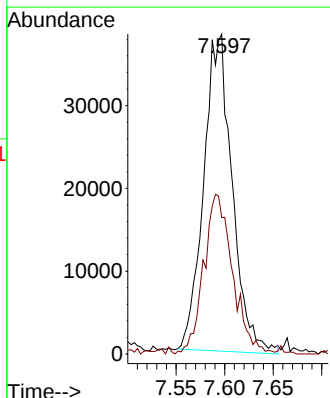
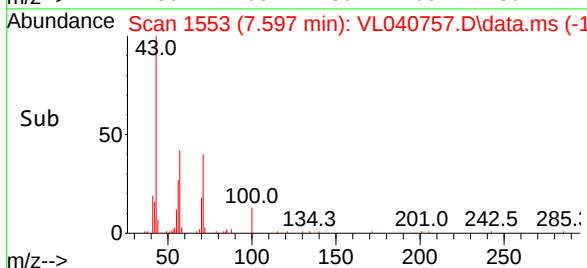
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

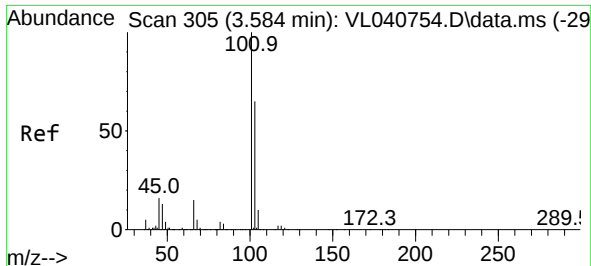


#10
Heptane
Concen: 0.677 ppbv m
RT: 7.597 min Scan# 1553
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



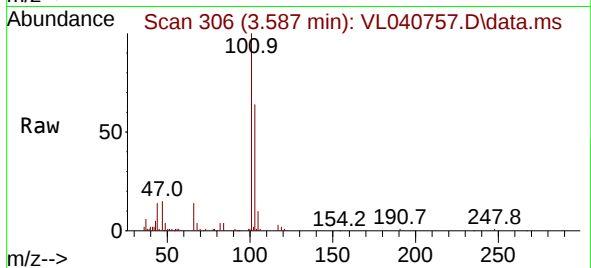
Tgt Ion: 43 Resp: 78353
Ion Ratio Lower Upper
43 100
57 0.0 40.0 60.0#





#11
Trichlorofluoromethane
Concen: 0.352 ppbv
RT: 3.587 min Scan# 305
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

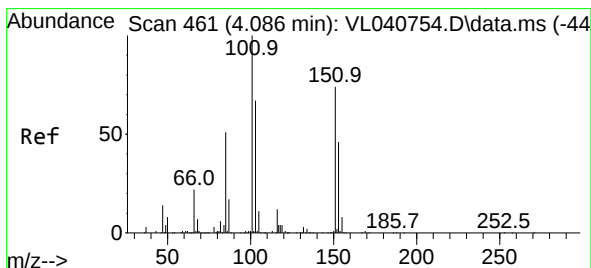
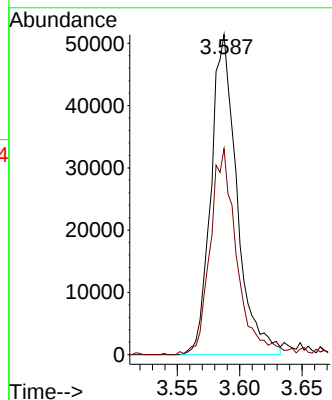
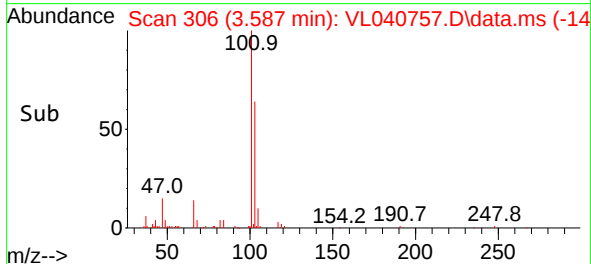
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



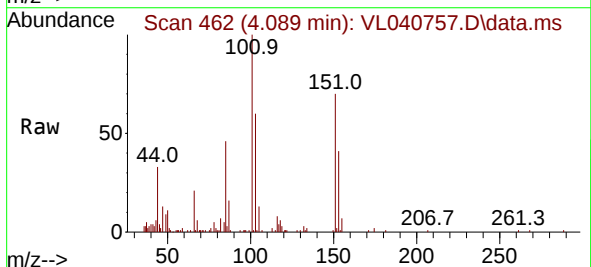
Tgt Ion:101 Resp: 7462
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.2

Manual Integrations
APPROVED

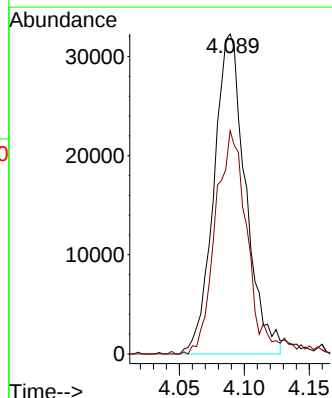
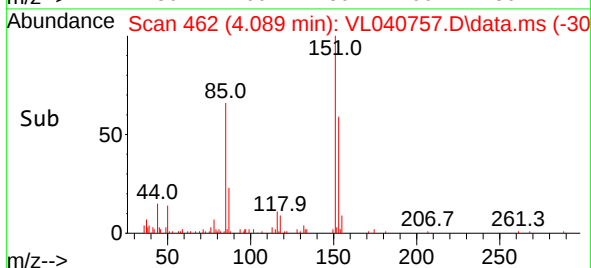
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

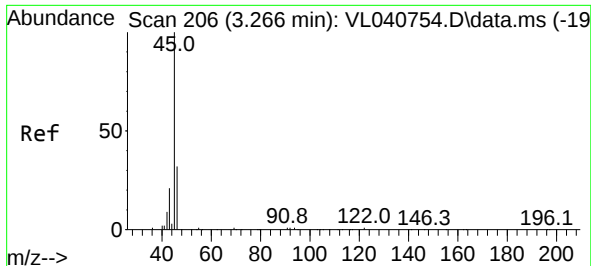


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.361 ppbv
RT: 4.089 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



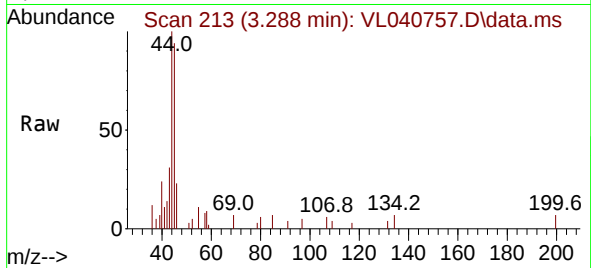
Tgt Ion:101 Resp: 54776
Ion Ratio Lower Upper
101 100
151 72.6 58.1 87.1





#13
Ethanol
Concen: 0.481 ppbv m
RT: 3.288 min Scan# 213
Delta R.T. 0.023 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

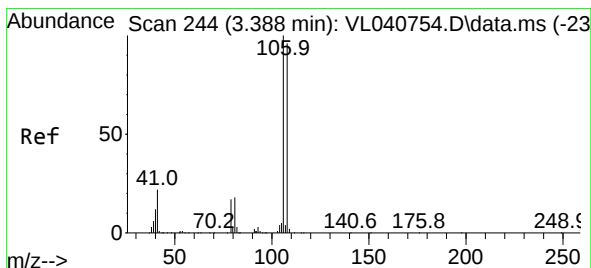
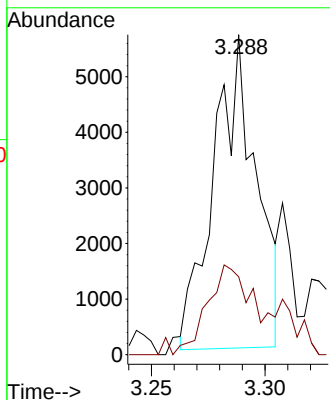
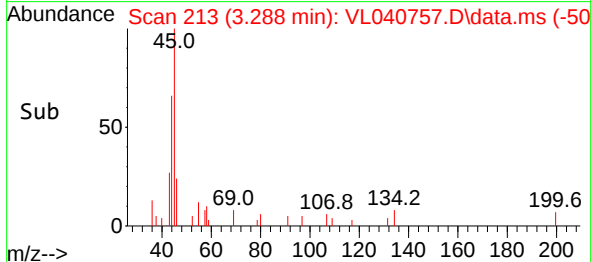
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



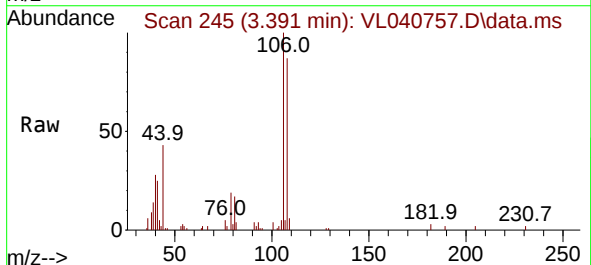
Tgt Ion: 45 Resp: 7319
Ion Ratio Lower Upper
45 100
46 40.0 14.6 58.2

Manual Integrations
APPROVED

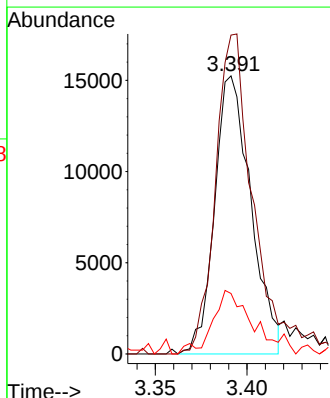
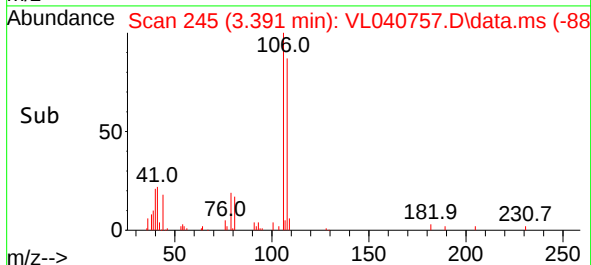
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

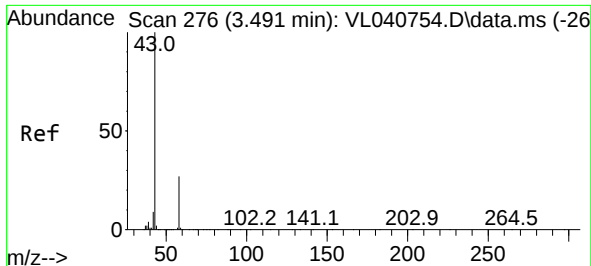


#14
Bromoethene
Concen: 0.331 ppbv
RT: 3.391 min Scan# 245
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



Tgt Ion:108 Resp: 21024
Ion Ratio Lower Upper
108 100
106 126.1 85.2 127.8
79 26.5 15.7 23.5#





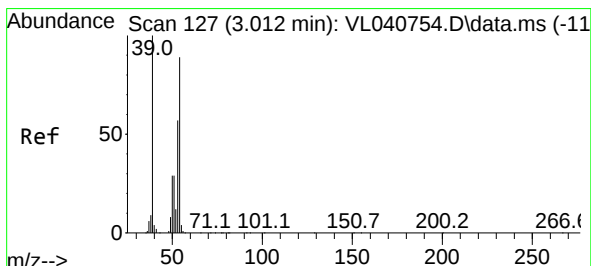
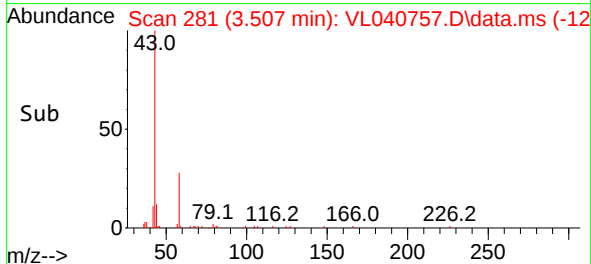
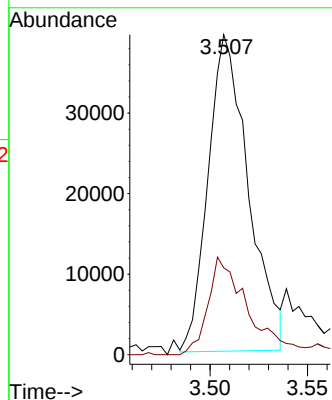
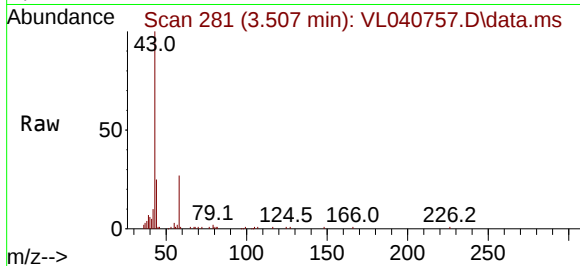
#15
Acetone
Concen: 0.392 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 56640
Ion Ratio Lower Upper
43 100
58 35.0 21.6 32.4

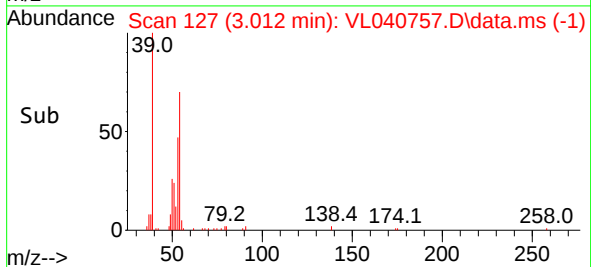
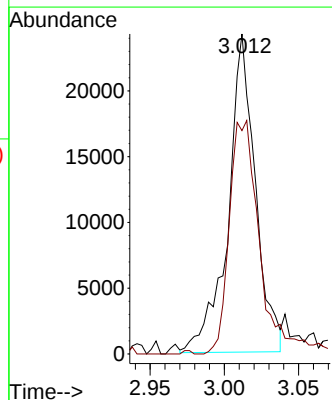
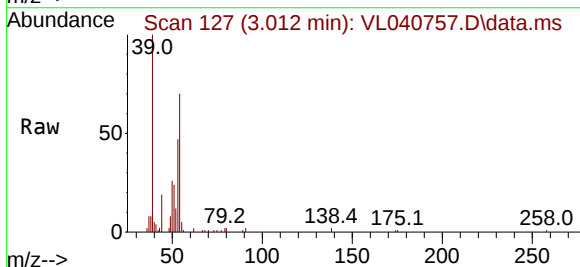
Manual Integrations
APPROVED

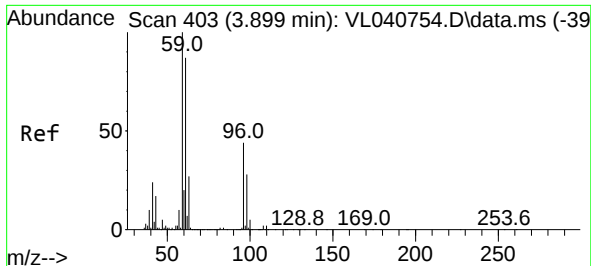
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#16
1,3-Butadiene
Concen: 0.492 ppbv
RT: 3.012 min Scan# 127
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 39 Resp: 30941
Ion Ratio Lower Upper
39 100
54 84.1 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.438 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.016 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 64734

Ion Ratio Lower Upper

59 100

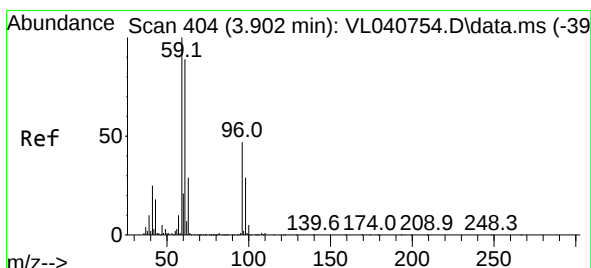
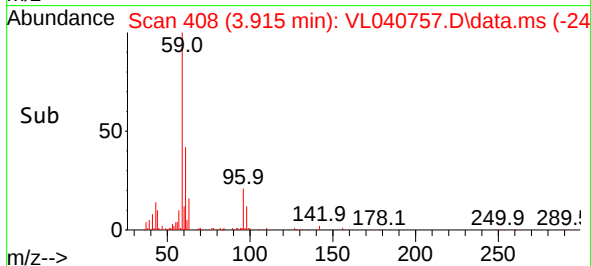
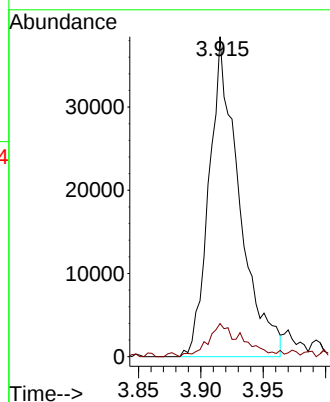
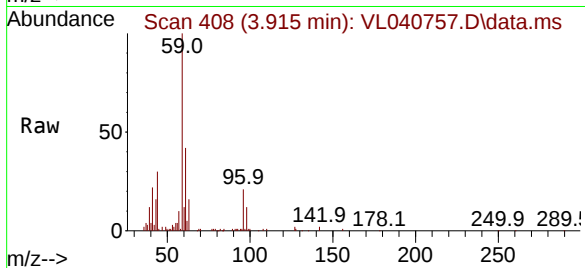
57 12.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#18

1,1-Dichloroethene

Concen: 0.355 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.003 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

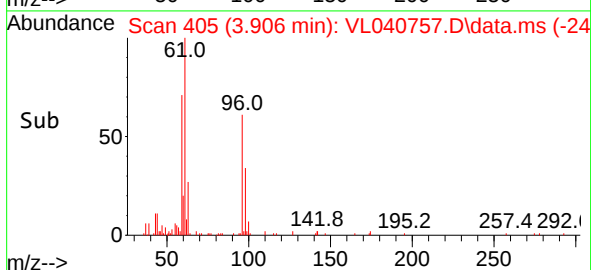
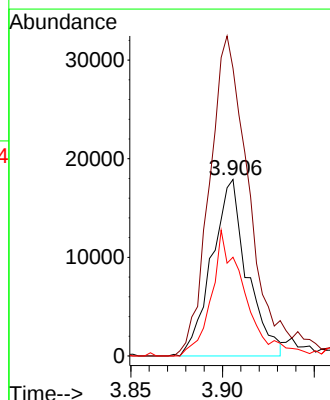
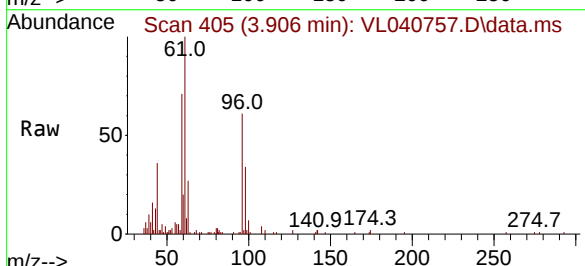
Tgt Ion: 96 Resp: 23924

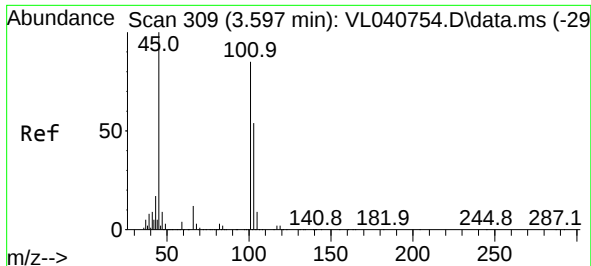
Ion Ratio Lower Upper

96 100

61 160.2 152.5 228.7

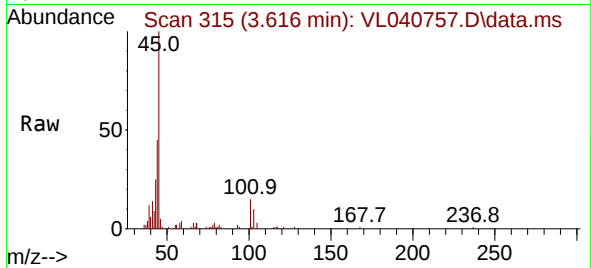
98 55.9 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.496 ppbv m
RT: 3.616 min Scan# 315
Delta R.T. 0.019 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

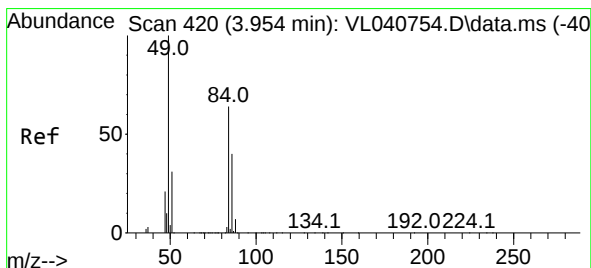
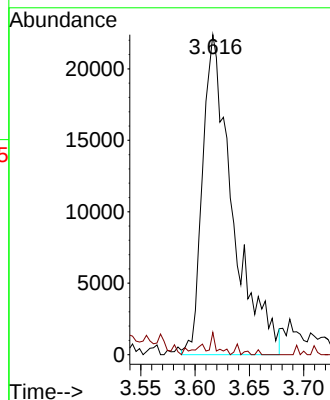
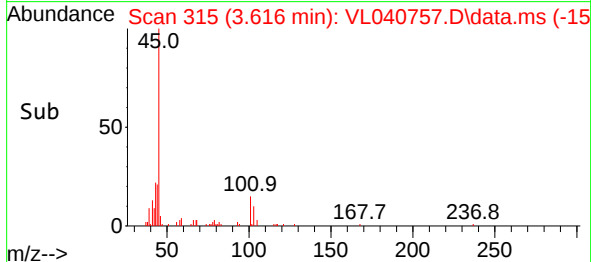
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



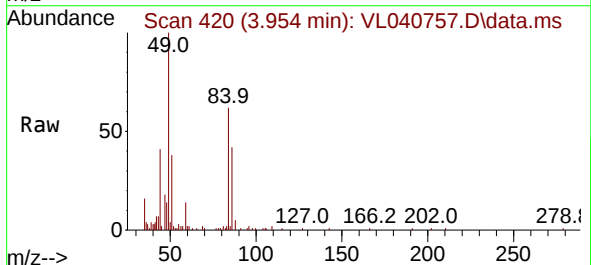
Tgt Ion: 45 Resp: 43134
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5

Manual Integrations
APPROVED

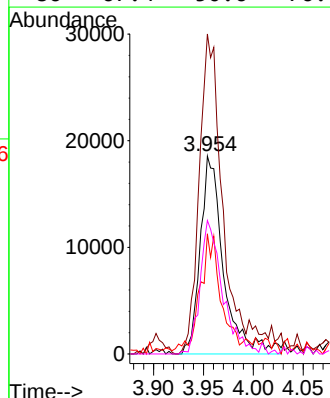
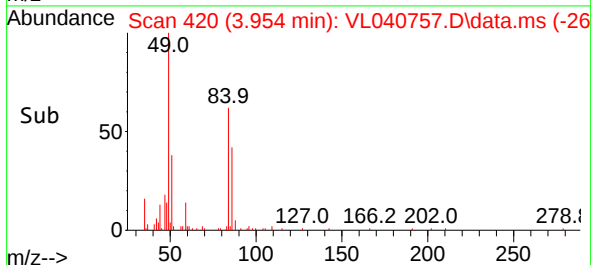
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

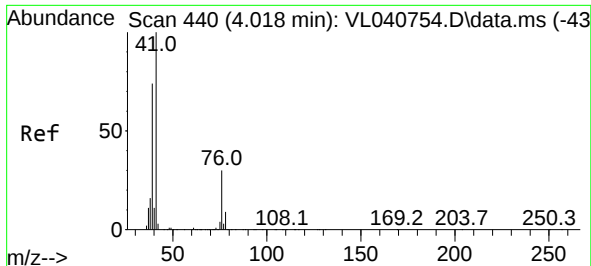


#20
Methylene Chloride
Concen: 0.390 ppbv m
RT: 3.954 min Scan# 420
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



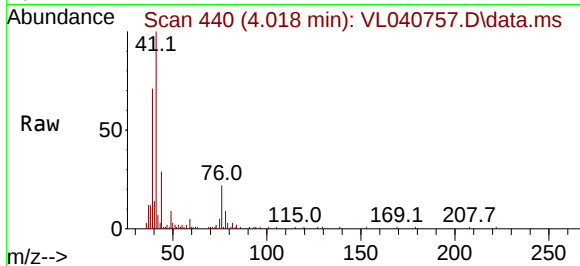
Tgt Ion: 84 Resp: 30282
Ion Ratio Lower Upper
84 100
49 161.7 125.6 188.4
51 60.7 38.9 58.3#
86 67.4 50.6 76.0





#21
 Allyl Chloride
 Concen: 0.419 ppbv
 RT: 4.018 min Scan# 440
 Delta R.T. 0.000 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

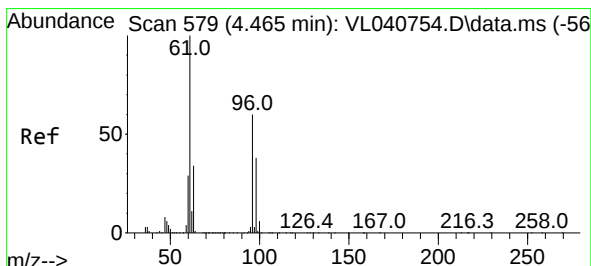
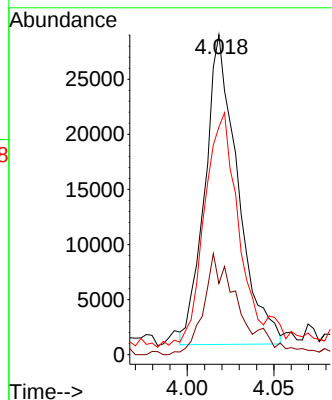
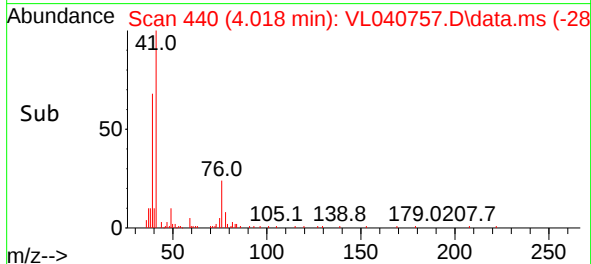
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 3704
 Ion Ratio Lower Upper
 41 100
 76 37.4 24.1 36.1
 39 97.0 63.8 95.6

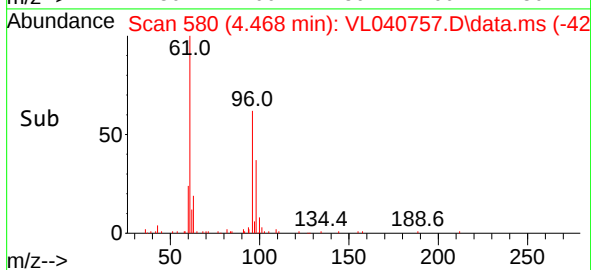
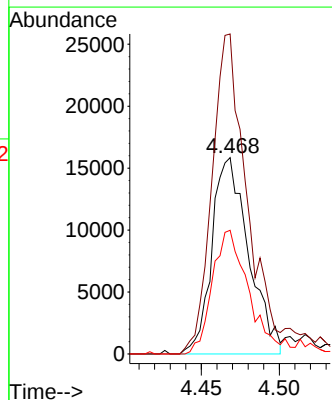
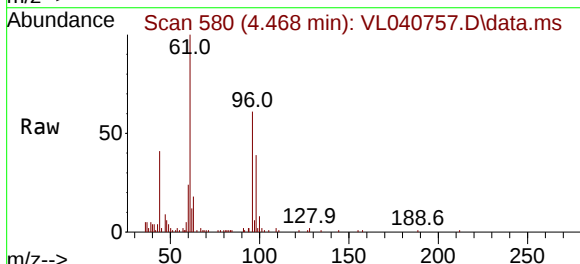
Manual Integrations
 APPROVED

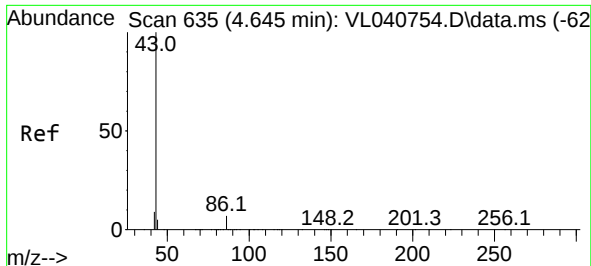
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.390 ppbv
 RT: 4.468 min Scan# 580
 Delta R.T. 0.003 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

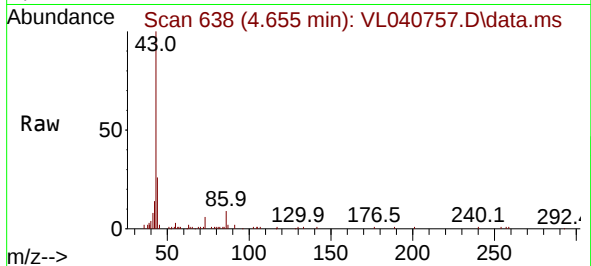
Tgt Ion: 96 Resp: 25956
 Ion Ratio Lower Upper
 96 100
 61 163.0 134.0 201.0
 98 63.0 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.427 ppbv
 RT: 4.655 min Scan# 616
 Delta R.T. 0.010 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

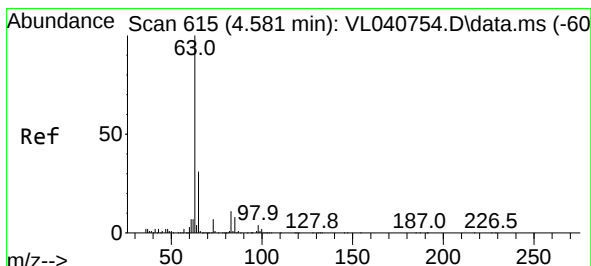
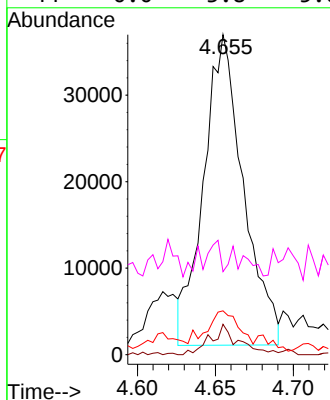
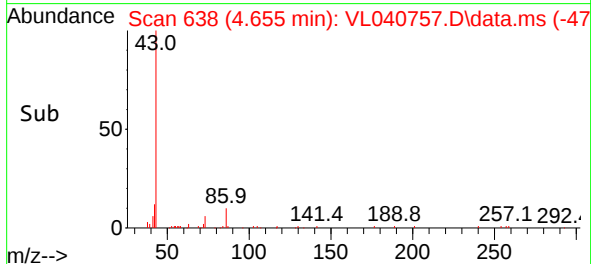
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 43 Resp: 63739
 Ion Ratio Lower Upper
 43 100
 86 10.5 4.9 7.3
 42 12.7 7.8 11.6
 44 0.0 3.8 5.6

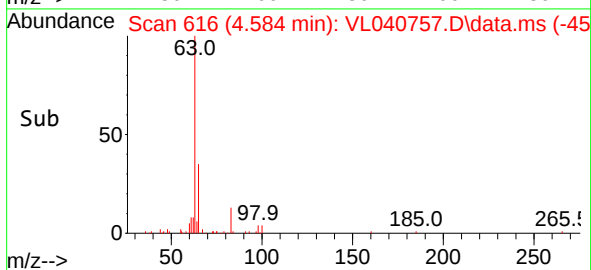
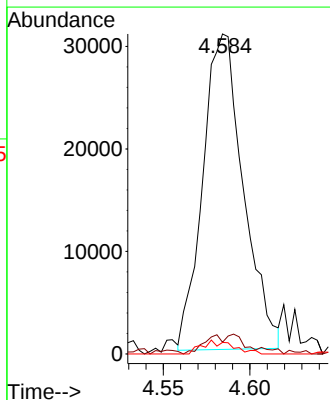
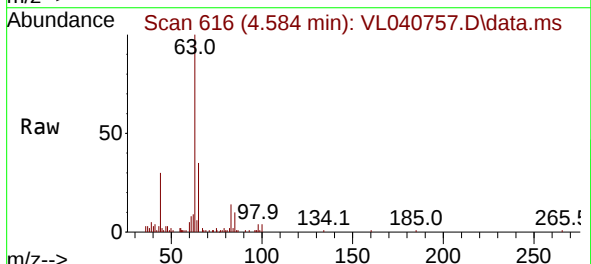
Manual Integrations
 APPROVED

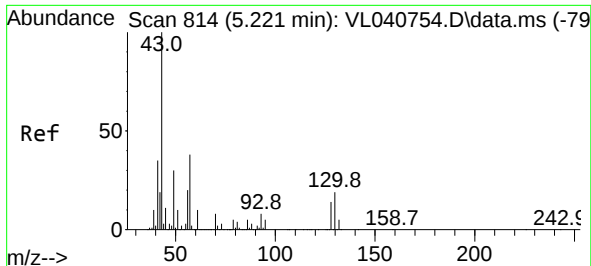
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#24
 1,1-Dichloroethane
 Concen: 0.359 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.003 min
 Lab File: VL040757.D
 Acq: 11 Oct 2023 13:56

Tgt Ion: 63 Resp: 50191
 Ion Ratio Lower Upper
 63 100
 98 2.9 2.0 5.8
 100 3.7 1.3 3.8





#25

Ethyl Acetate

Concen: 0.566 ppbv

RT: 5.230 min Scan# 814

Delta R.T. 0.010 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 131650

Ion Ratio Lower Upper

43 100

45 10.7 8.2 12.4

61 11.7 8.2 12.2

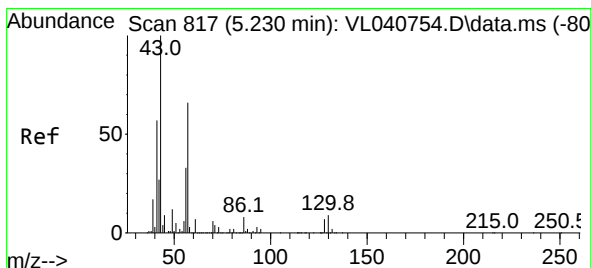
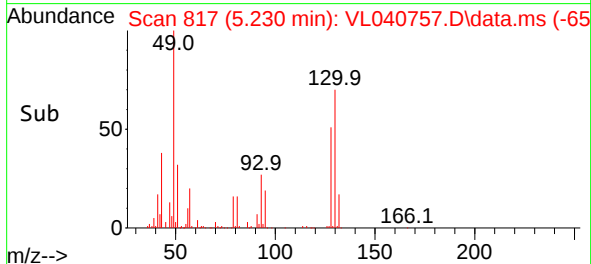
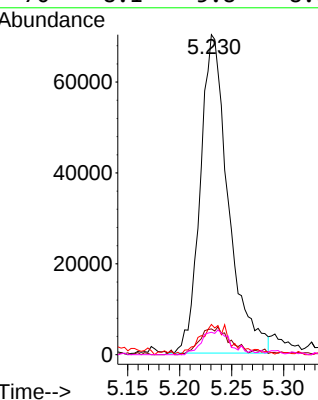
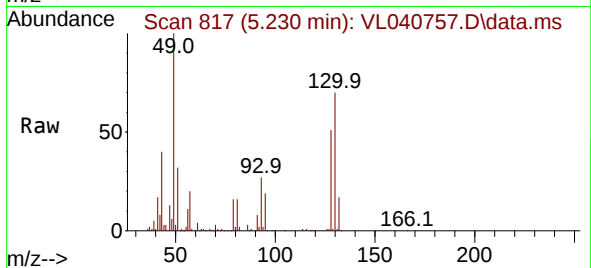
70 8.1 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#26

Hexane

Concen: 0.546 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Tgt Ion: 57 Resp: 60137

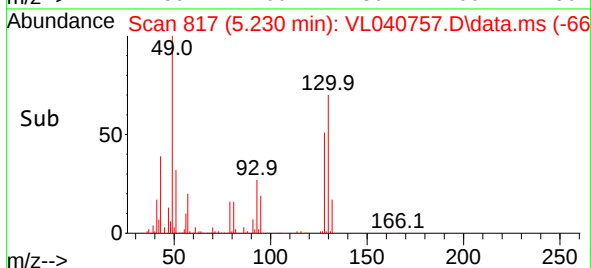
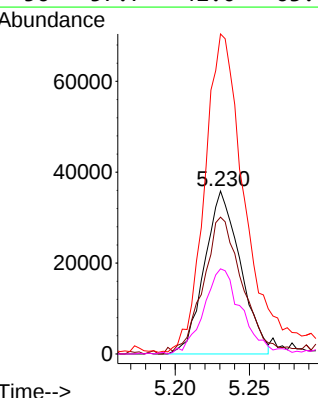
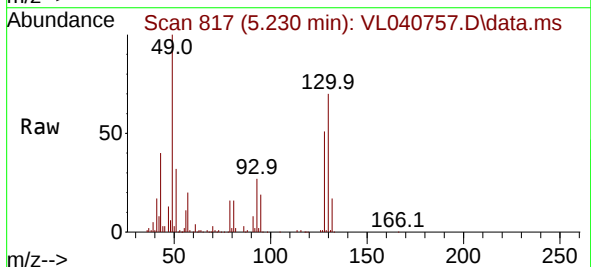
Ion Ratio Lower Upper

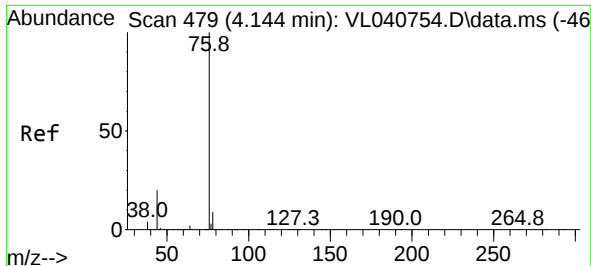
57 100

41 97.4 71.4 107.2

43 234.4 182.3 273.5

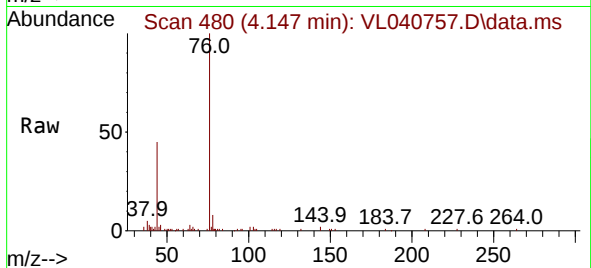
56 57.7 42.0 63.0





#27
Carbon Disulfide
Concen: 0.393 ppbv
RT: 4.147 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

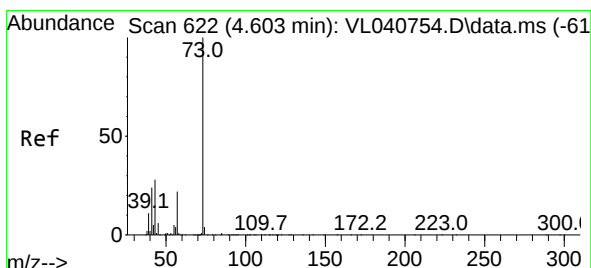
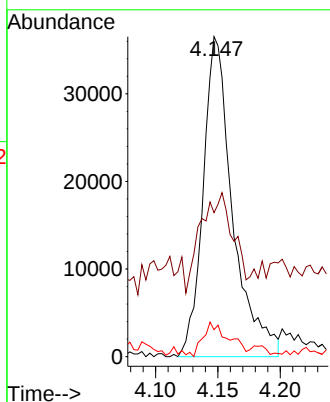
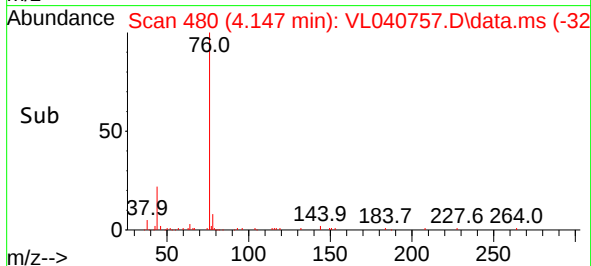
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 6033
Ion Ratio Lower Upper
76 100
44 34.6 16.6 25.0
78 13.0 7.8 11.6

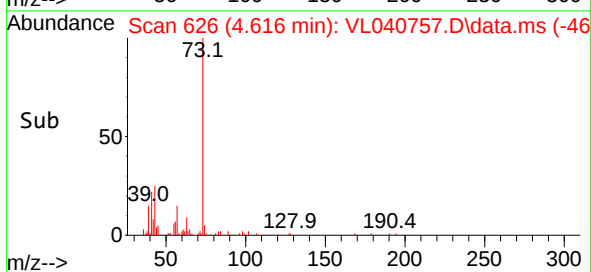
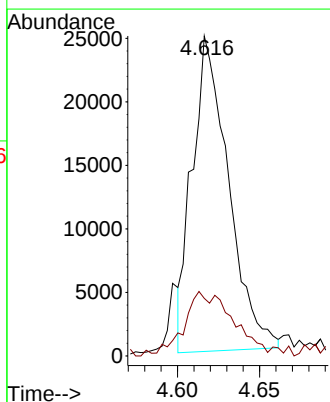
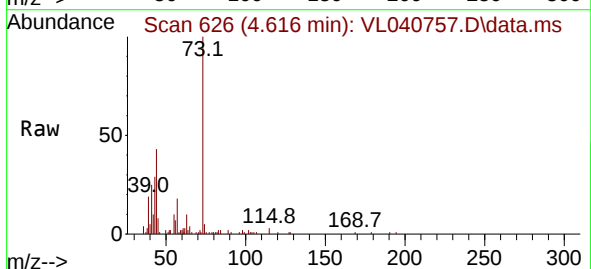
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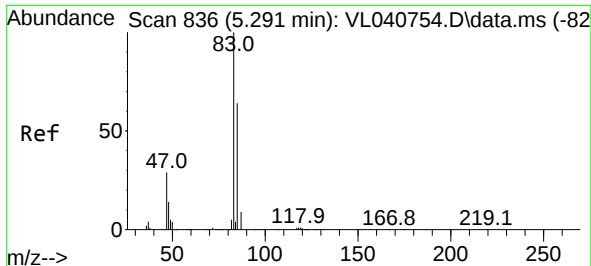
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#28
Methyl tert-Butyl Ether
Concen: 0.402 ppbv
RT: 4.616 min Scan# 626
Delta R.T. 0.013 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 73 Resp: 38062
Ion Ratio Lower Upper
73 100
57 28.9 18.9 28.3





#29

Chloroform

Concen: 0.439 ppbv

RT: 5.292 min Scan# 836

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 8338

Ion Ratio Lower Upper

83 100

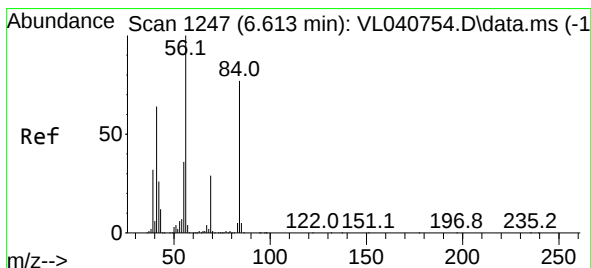
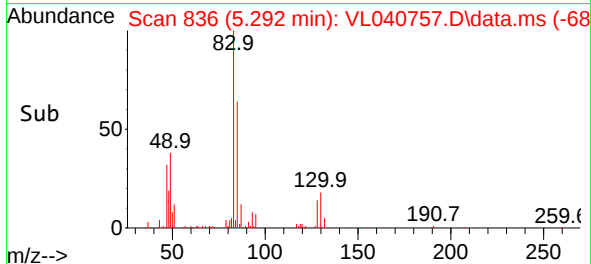
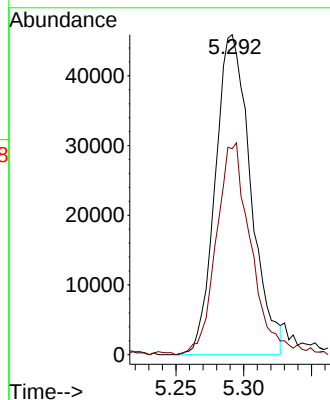
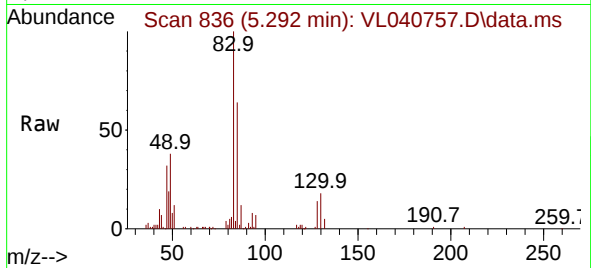
85 64.0 51.3 76.9

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#30

Cyclohexane

Concen: 0.626 ppbv m

RT: 6.616 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

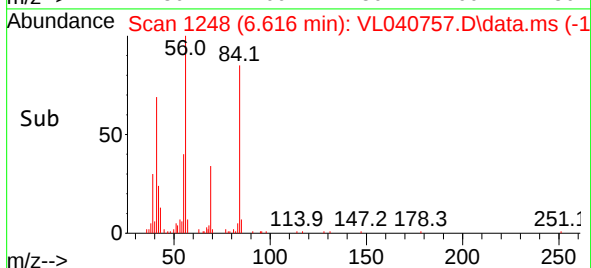
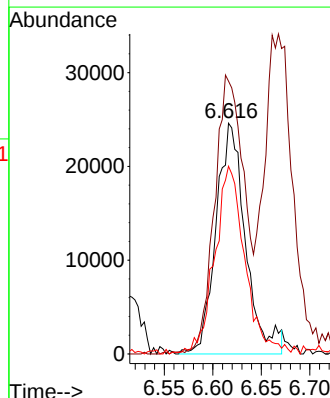
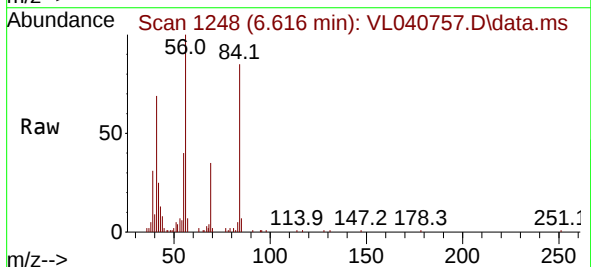
Tgt Ion: 84 Resp: 51933

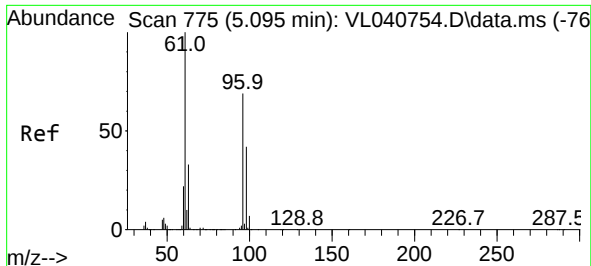
Ion Ratio Lower Upper

84 100

56 117.5 110.3 165.5

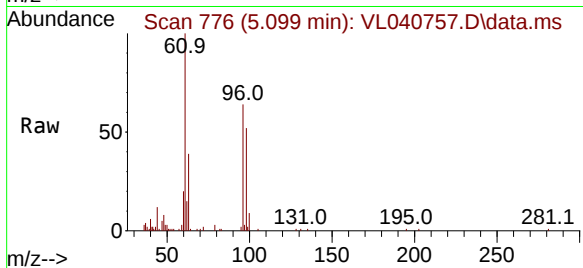
41 86.9 67.4 101.2





#31
cis-1,2-Dichloroethene
Concen: 0.480 ppbv
RT: 5.099 min Scan# 775
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

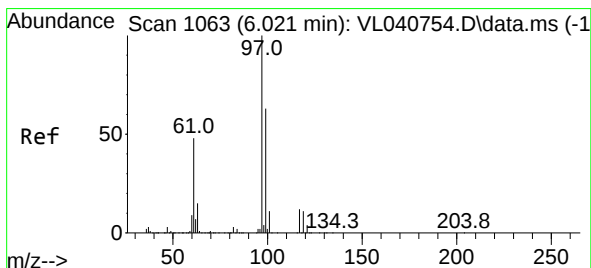
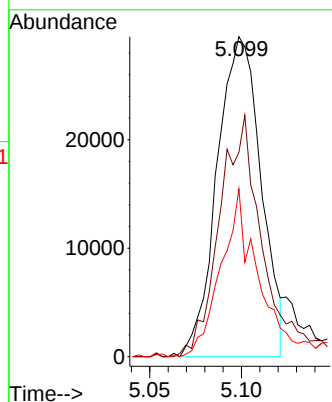
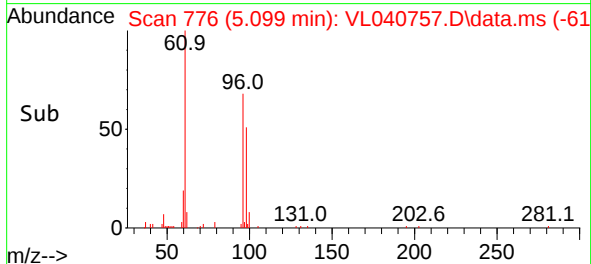
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



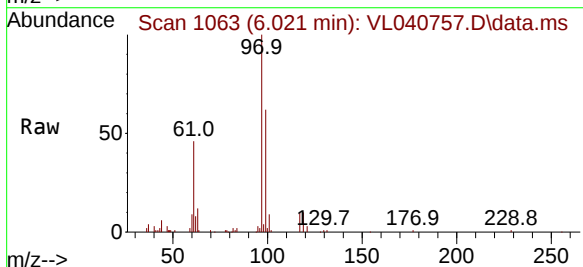
Tgt Ion: 61 Resp: 4904
Ion Ratio Lower Upper
61 100
96 62.8 55.1 82.7
98 52.5 33.5 50.3

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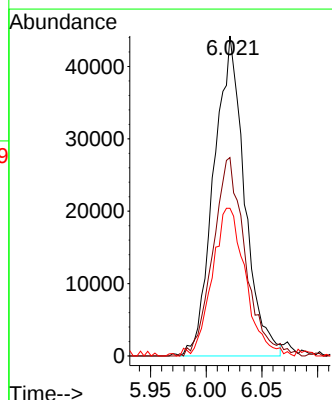
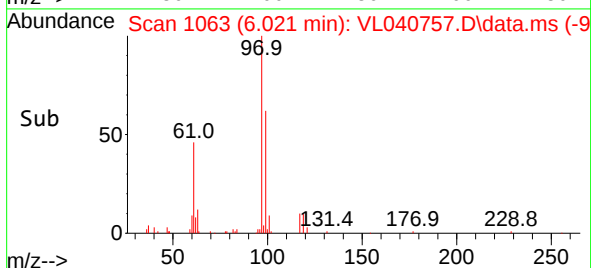
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

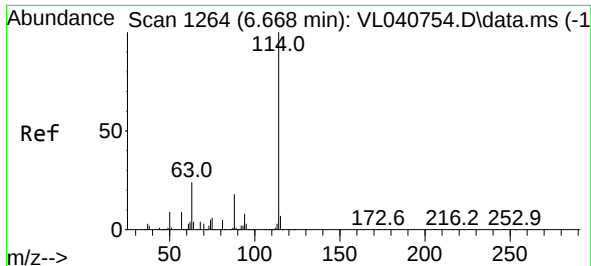


#32
1,1,1-Trichloroethane
Concen: 0.436 ppbv
RT: 6.021 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



Tgt Ion: 97 Resp: 84702
Ion Ratio Lower Upper
97 100
99 65.7 51.8 77.6
61 51.2 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 3052709

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

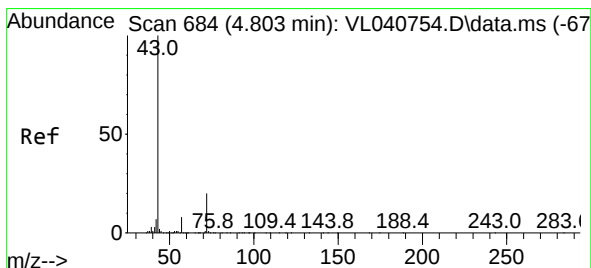
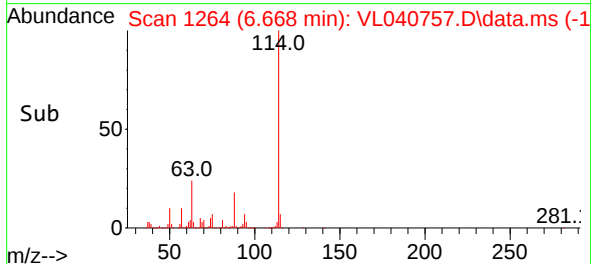
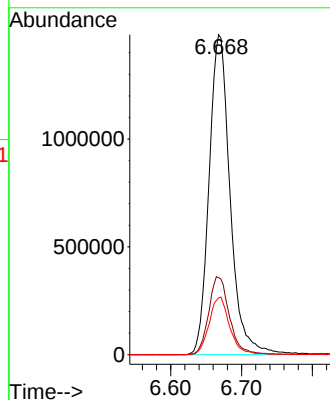
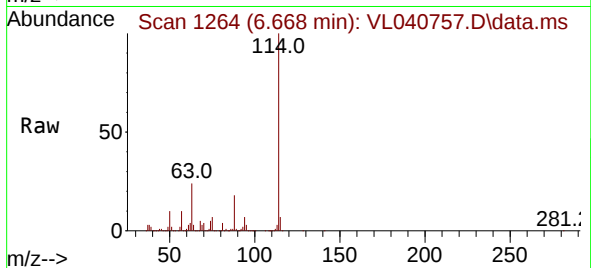
88 17.7 14.2 21.2

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#34

2-Butanone

Concen: 0.437 ppbv m

RT: 4.816 min Scan# 688

Delta R.T. 0.013 min

Lab File: VL040757.D

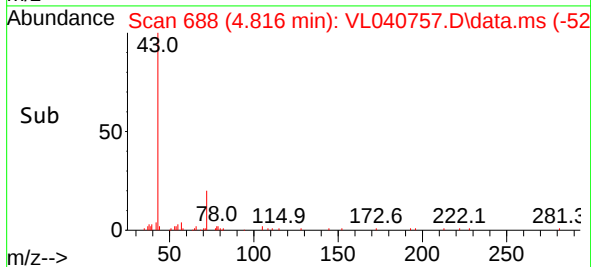
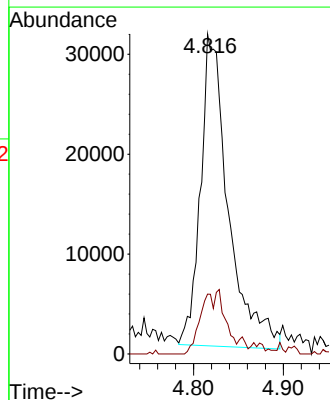
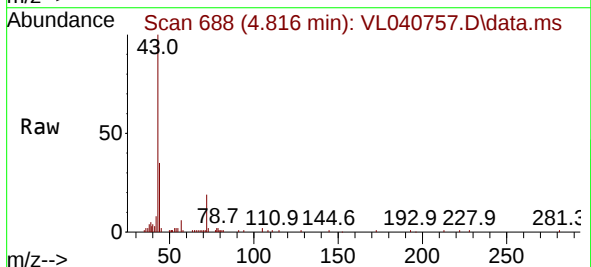
Acq: 11 Oct 2023 13:56

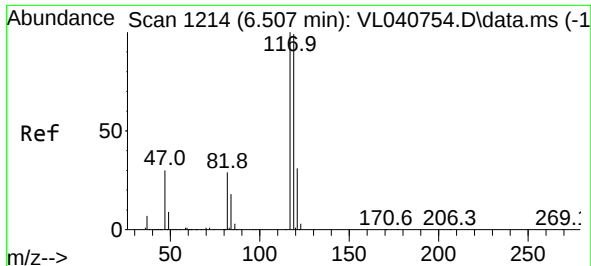
Tgt Ion: 43 Resp: 67102

Ion Ratio Lower Upper

43 100

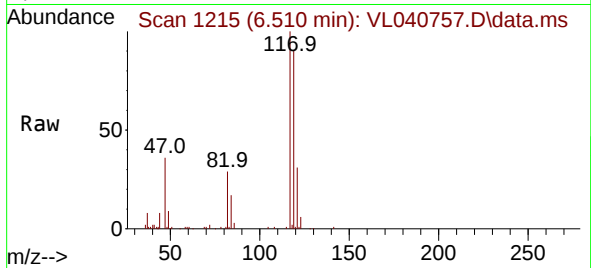
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.395 ppbv
RT: 6.510 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

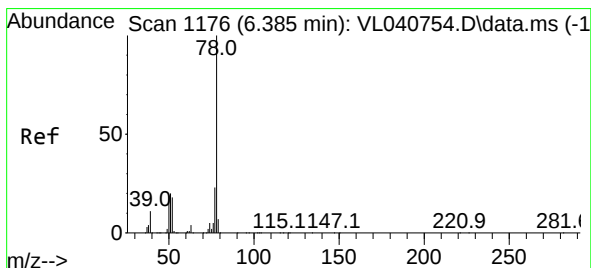
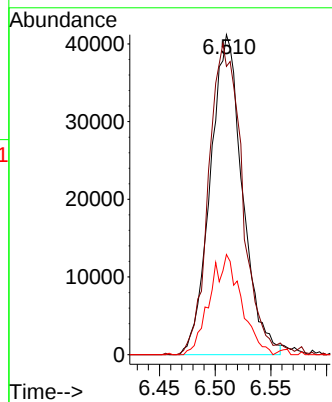
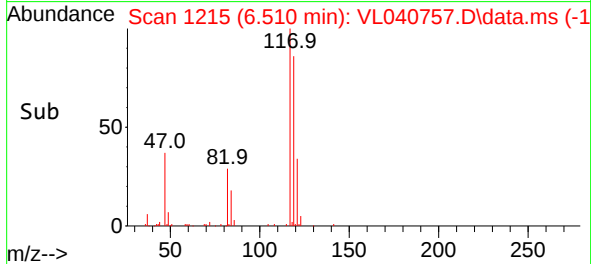
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



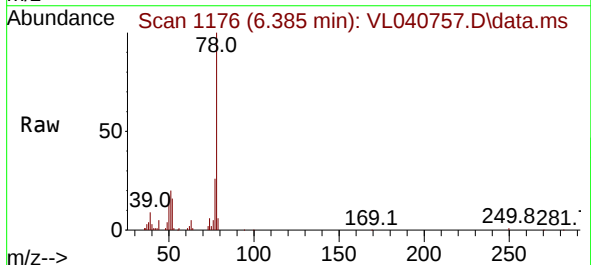
Tgt Ion: 117 Resp: 82829
Ion Ratio Lower Upper
117 100
119 89.6 79.4 119.0
121 31.3 25.0 37.4

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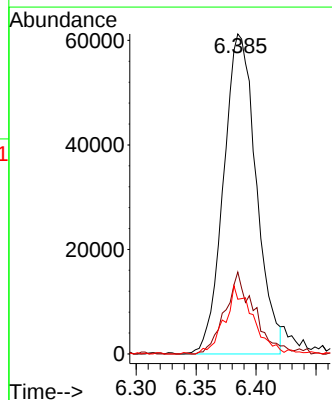
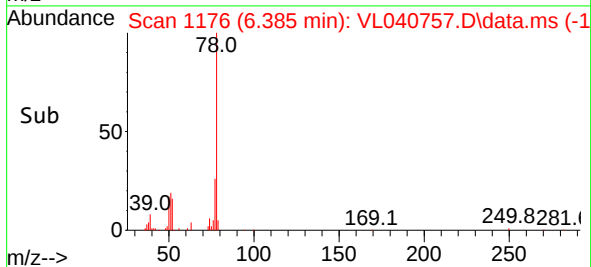
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

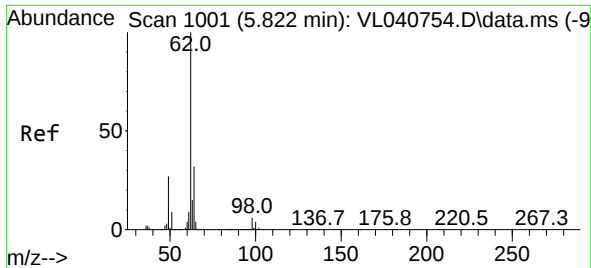


#36
Benzene
Concen: 0.512 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



Tgt Ion: 78 Resp: 115848
Ion Ratio Lower Upper
78 100
77 25.6 18.4 27.6
50 17.1 15.0 22.4





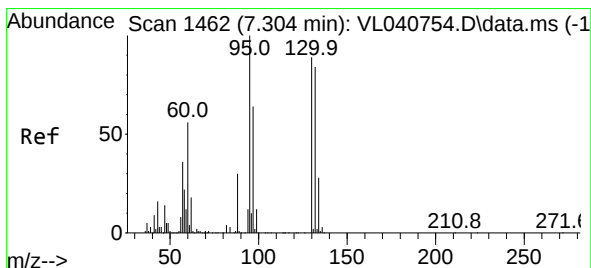
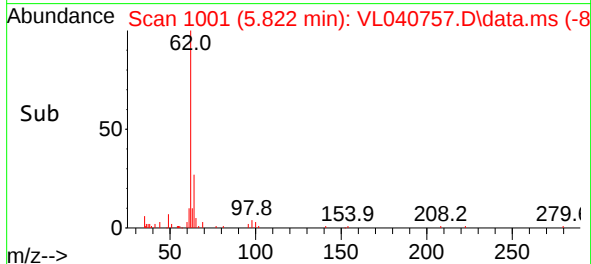
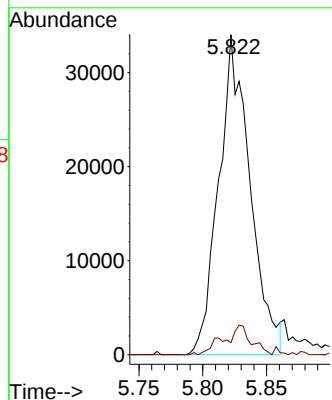
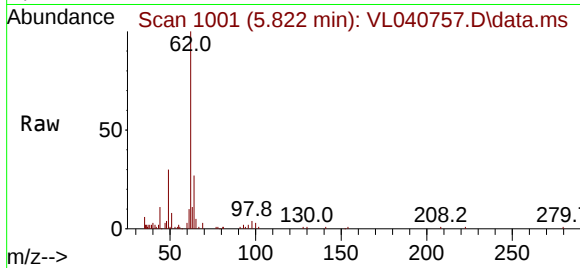
#37
1,2-Dichloroethane
Concen: 0.376 ppbv m
RT: 5.822 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 58160
Ion Ratio Lower Upper
62 100
98 0.0 5.4 8.0

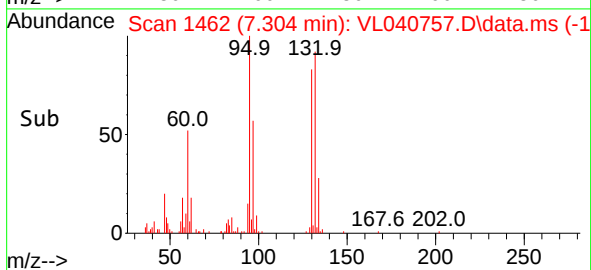
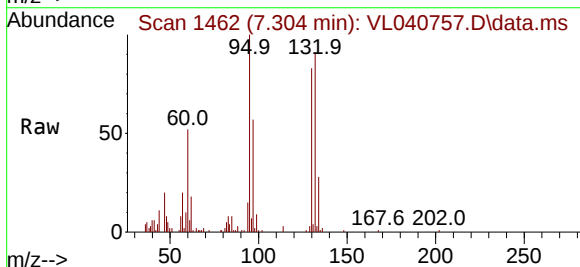
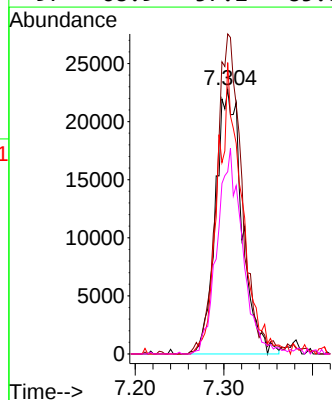
Manual Integrations
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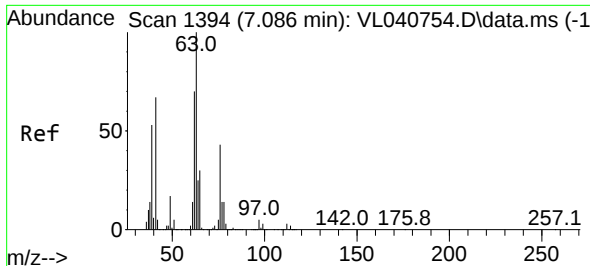
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#38
Trichloroethene
Concen: 0.548 ppbv m
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

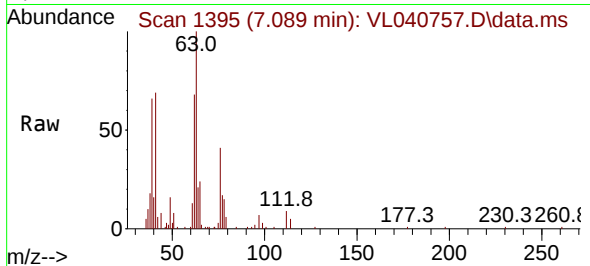
Tgt Ion:130 Resp: 47237
Ion Ratio Lower Upper
130 100
95 121.0 89.4 134.2
132 110.2 74.8 112.2
97 68.9 57.2 85.8





#39
1,2-Dichloropropane
Concen: 0.553 ppbv m
RT: 7.089 min Scan# 1413
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

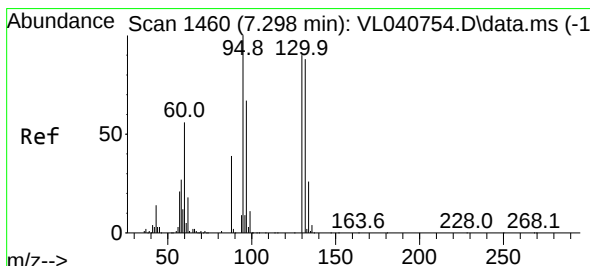
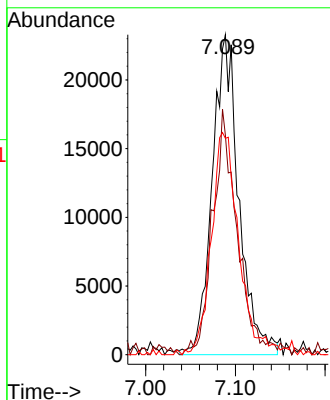
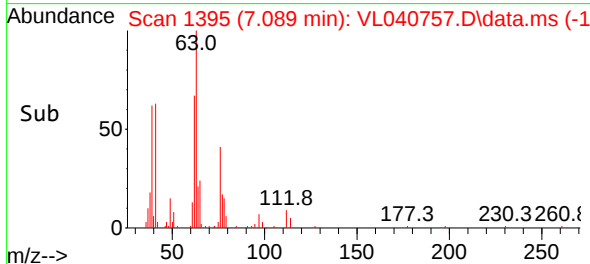
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 63 Resp: 4813
Ion Ratio Lower Upper
63 100
41 68.5 53.7 80.5
62 67.6 55.7 83.5

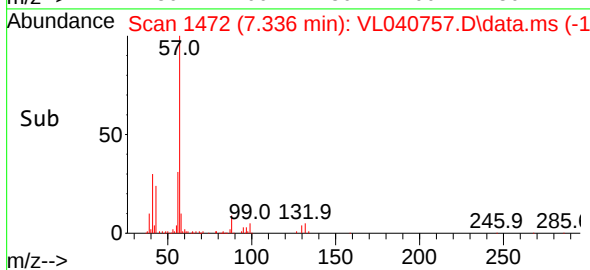
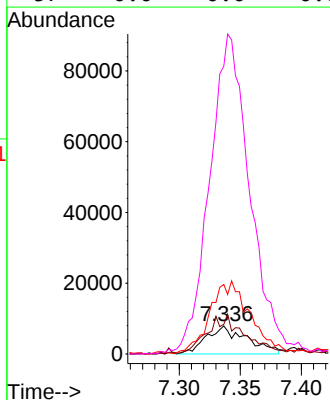
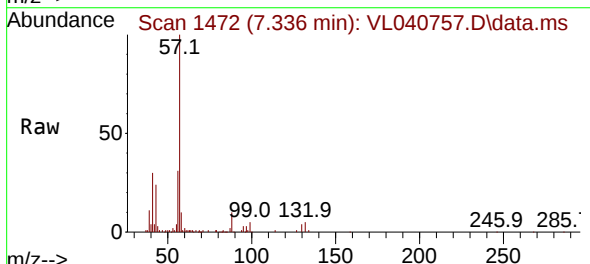
Manual Integrations
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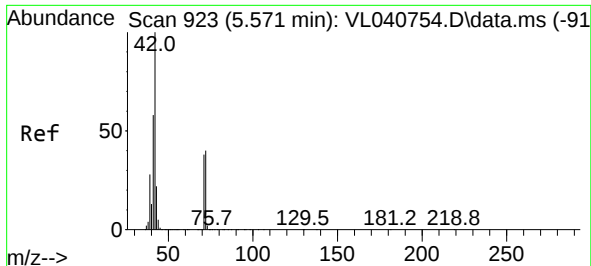
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#40
1,4-Dioxane
Concen: 0.559 ppbv m
RT: 7.336 min Scan# 1472
Delta R.T. 0.039 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 88 Resp: 18389
Ion Ratio Lower Upper
88 100
58 0.0 100.0 150.0#
43 0.0 0.0 0.0
57 0.0 0.0 0.0





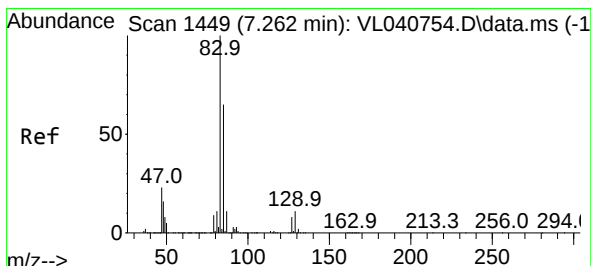
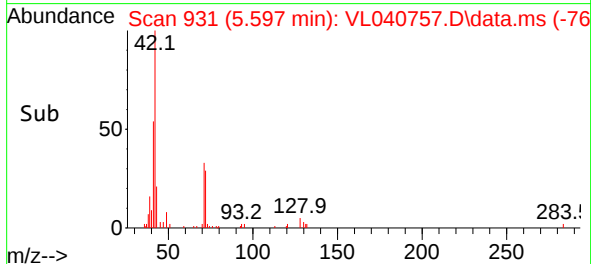
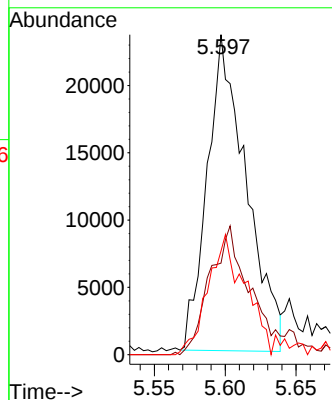
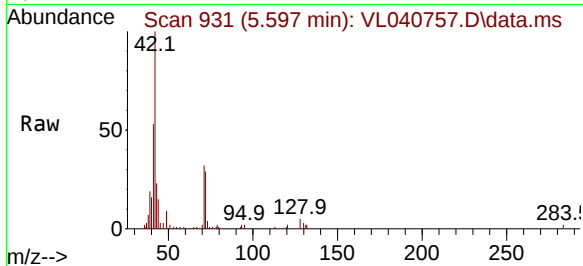
#41
Tetrahydrofuran
Concen: 0.572 ppbv
RT: 5.597 min Scan# 91
Delta R.T. 0.026 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 45060
Ion Ratio Lower Upper
42 100
72 46.1 31.1 46.7
71 38.7 29.7 44.5

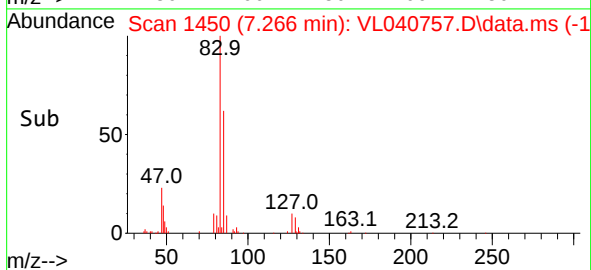
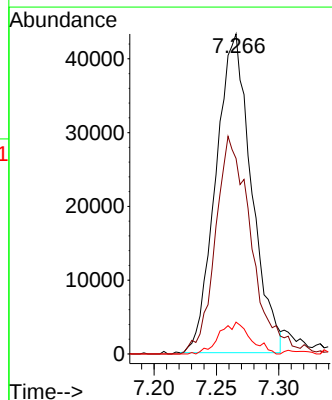
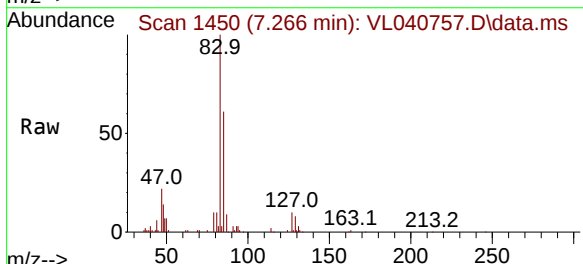
Manual Integrations
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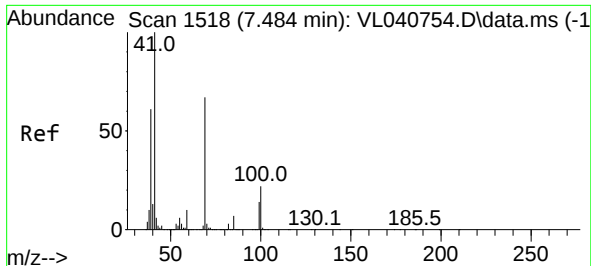
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#42
Bromodichloromethane
Concen: 0.407 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 83 Resp: 85882
Ion Ratio Lower Upper
83 100
85 61.3 52.1 78.1
127 10.0 6.7 10.1





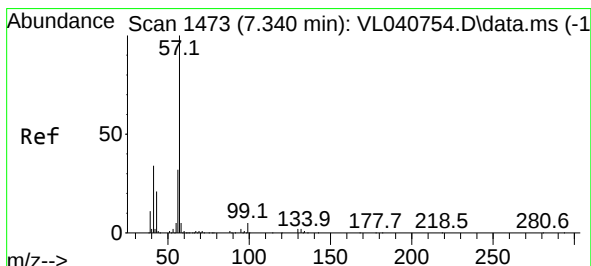
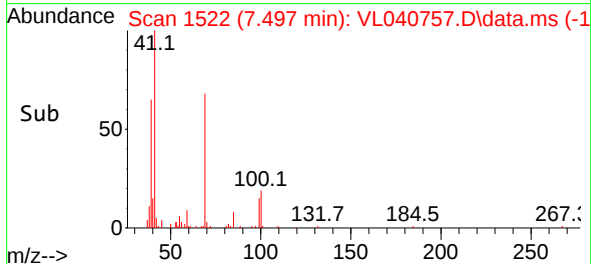
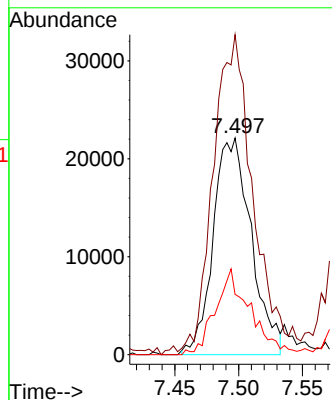
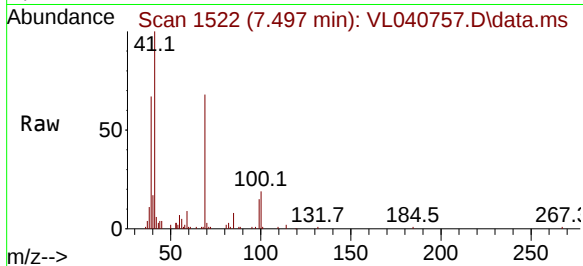
#43
Methyl Methacrylate
Concen: 0.545 ppbv
RT: 7.497 min Scan# 1522
Delta R.T. 0.013 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 45834
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0
100 0.0 27.1 40.7

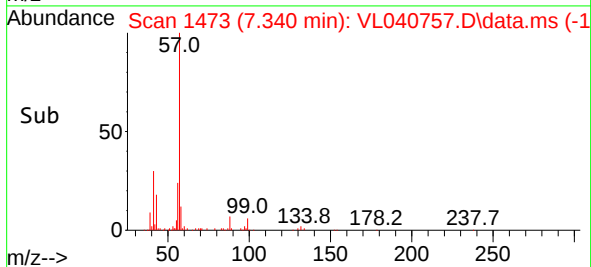
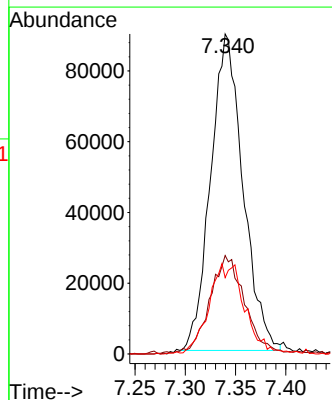
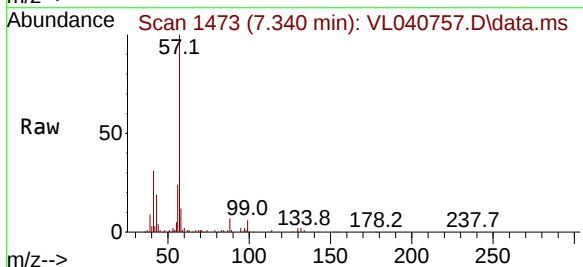
Manual Integrations
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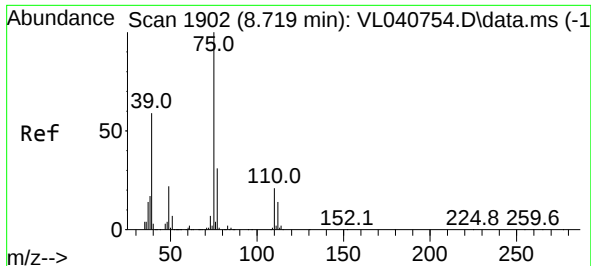
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.556 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 57 Resp: 200234
Ion Ratio Lower Upper
57 100
41 34.0 27.4 41.0
56 31.9 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 0.496 ppbv m

RT: 8.722 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 32320

Ion Ratio Lower Upper

75 100

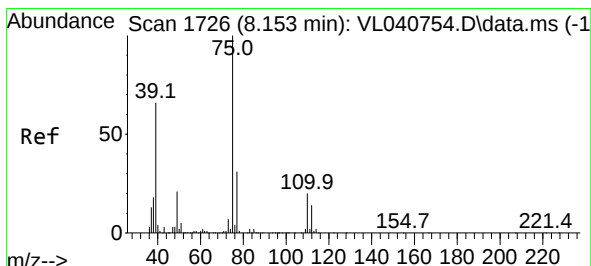
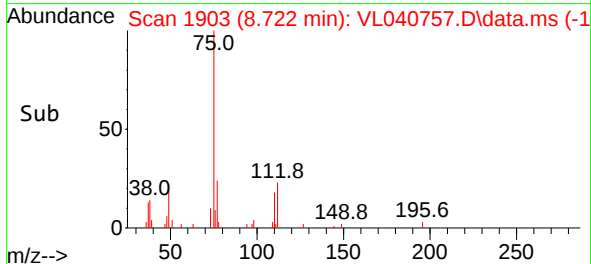
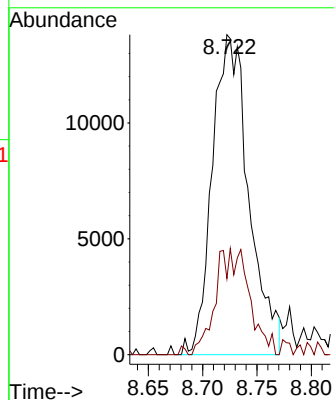
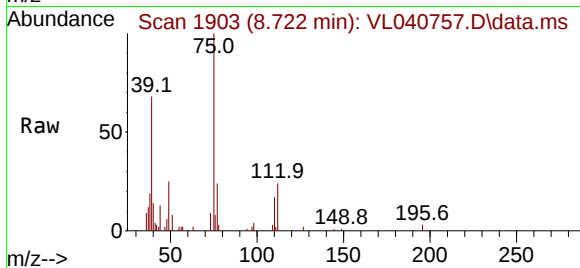
77 23.8 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#46

cis-1,3-Dichloropropene

Concen: 0.551 ppbv m

RT: 8.153 min Scan# 1726

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

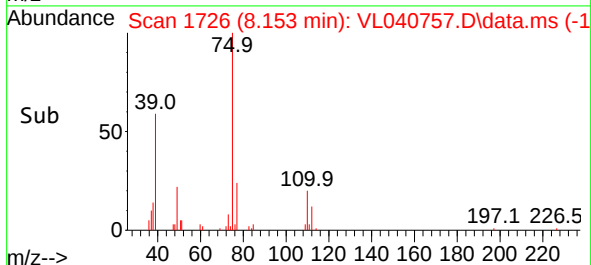
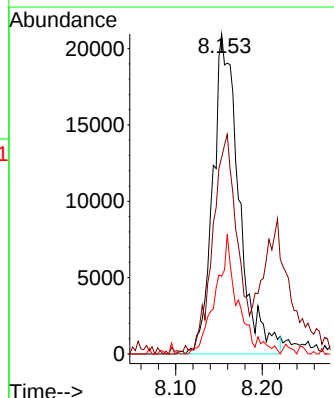
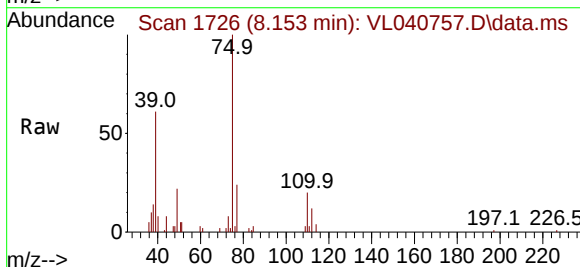
Tgt Ion: 75 Resp: 43905

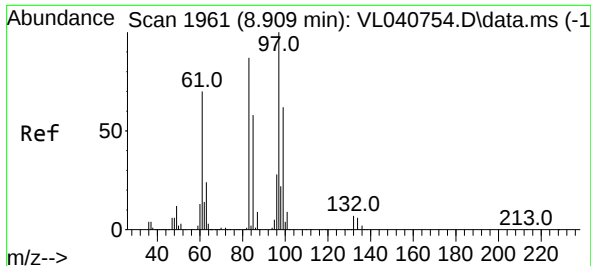
Ion Ratio Lower Upper

75 100

39 61.4 52.4 78.6

77 24.3 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.491 ppbv

RT: 8.909 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 49079

Ion Ratio Lower Upper

97 100

83 83.7 69.5 104.3

85 58.4 46.6 69.8

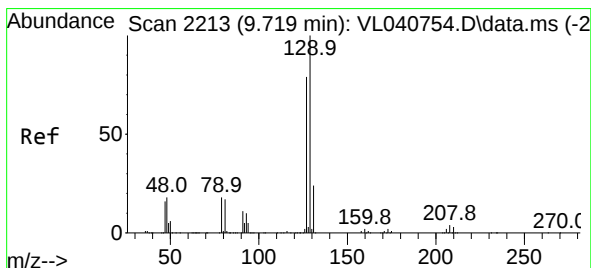
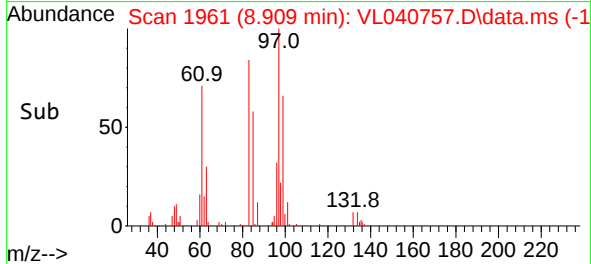
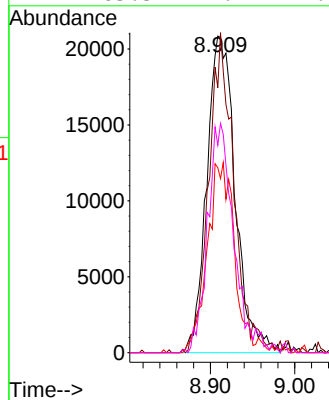
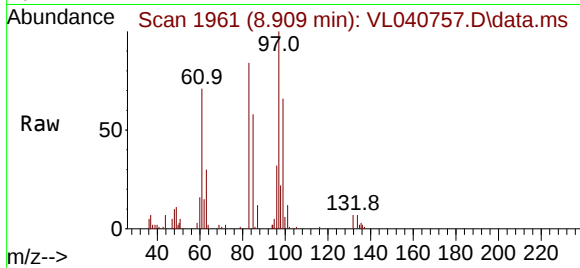
99 65.5 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#48

Dibromochloromethane

Concen: 0.451 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VL040757.D

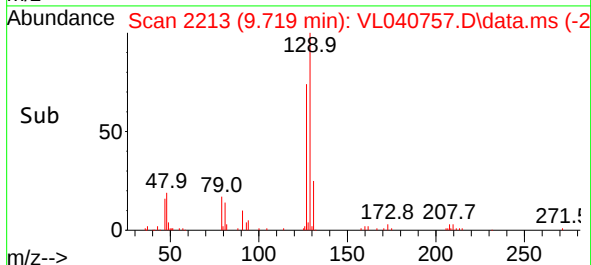
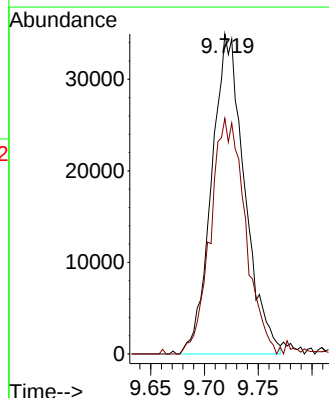
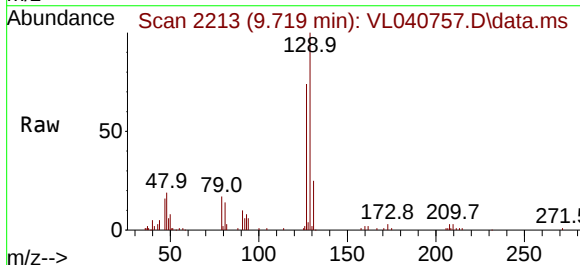
Acq: 11 Oct 2023 13:56

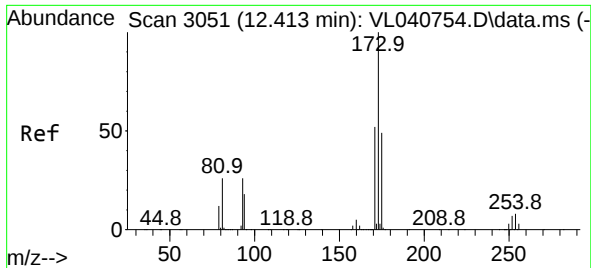
Tgt Ion:129 Resp: 74279

Ion Ratio Lower Upper

129 100

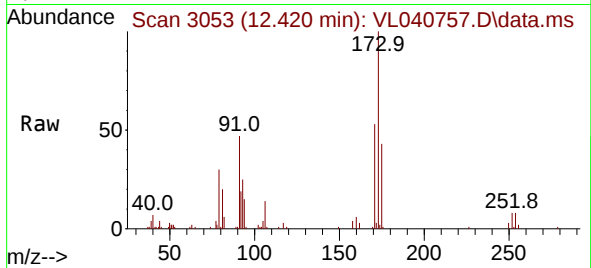
127 79.0 39.1 117.3





#49
Bromoform
Concen: 0.402 ppbv
RT: 12.420 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

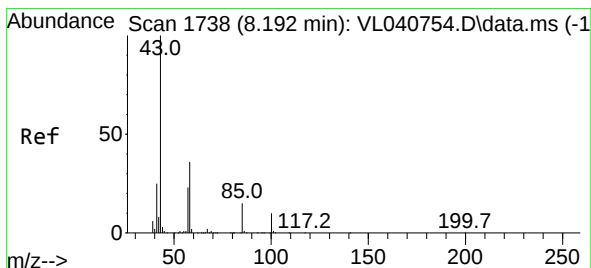
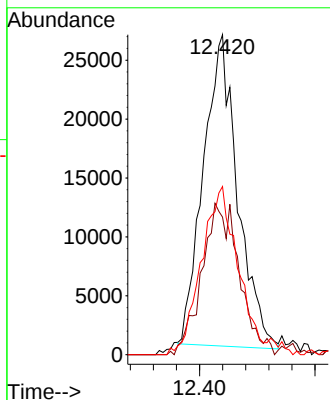
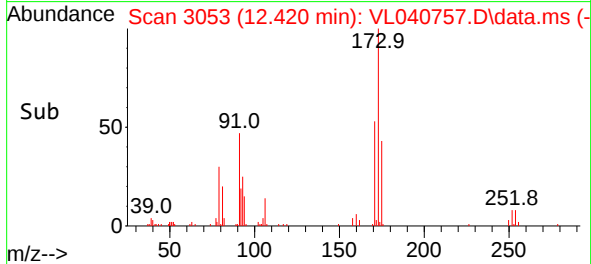
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 173 Resp: 54362
Ion Ratio Lower Upper
173 100
175 54.7 39.2 58.8
171 59.6 42.0 63.0

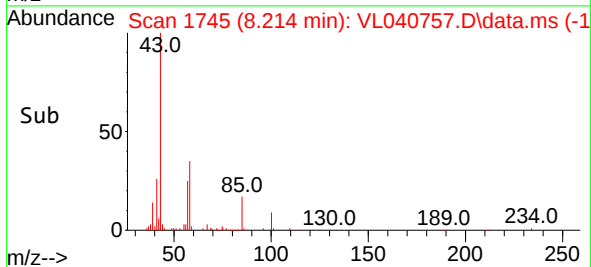
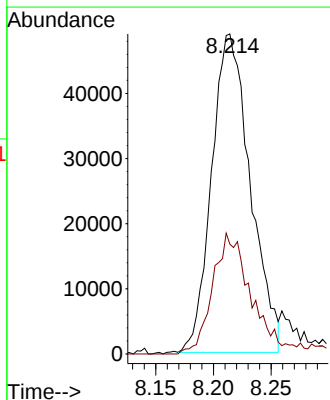
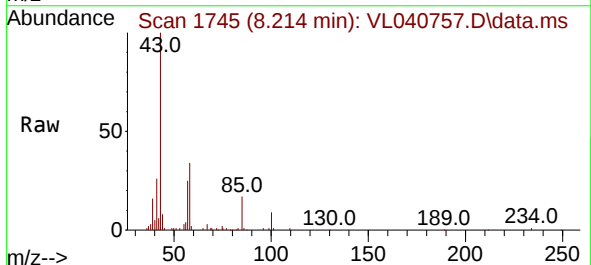
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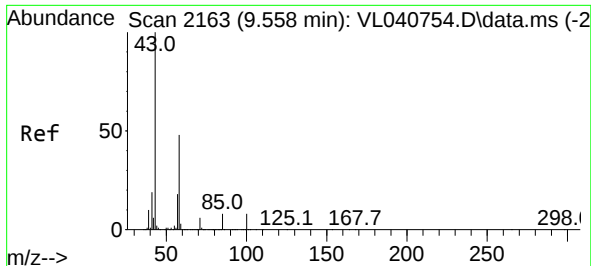
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#50
4-Methyl-2-Pentanone
Concen: 0.550 ppbv
RT: 8.214 min Scan# 1745
Delta R.T. 0.023 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 43 Resp: 114001
Ion Ratio Lower Upper
43 100
58 40.0 28.8 43.2





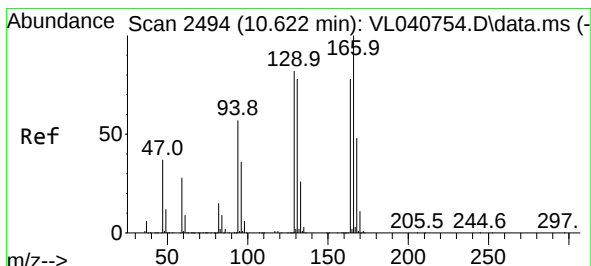
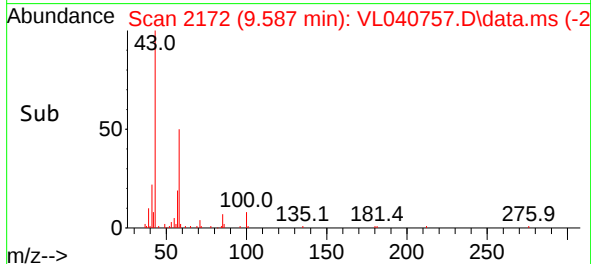
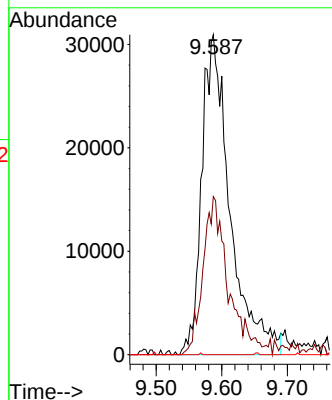
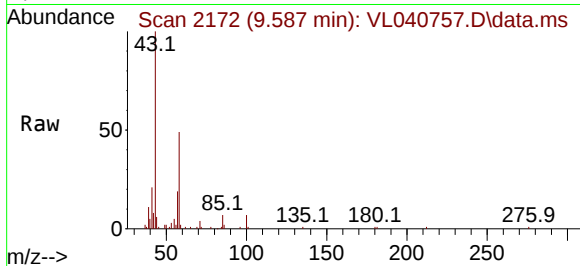
#51
2-Hexanone
Concen: 0.647 ppbv m
RT: 9.587 min Scan# 2163
Delta R.T. 0.029 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 9267
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0
98 0.0 0.0 0.0

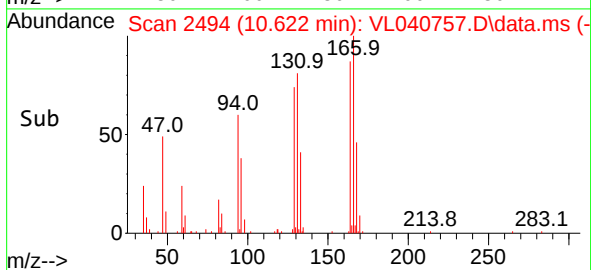
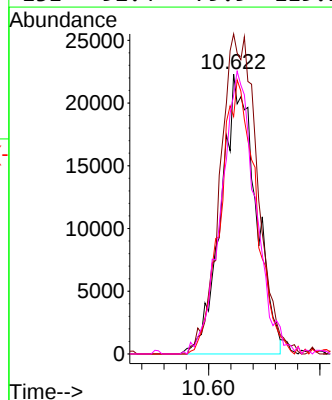
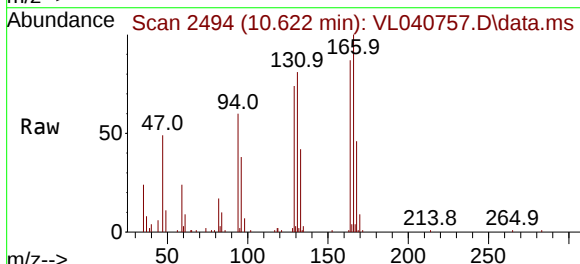
Manual Integrations
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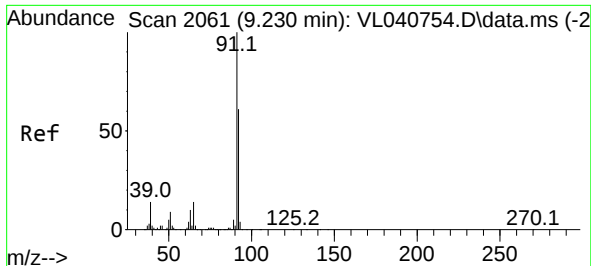
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#52
Tetrachloroethene
Concen: 0.652 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion:164 Resp: 48078
Ion Ratio Lower Upper
164 100
166 114.3 102.4 153.6
129 84.8 84.2 126.4
131 92.4 79.9 119.9





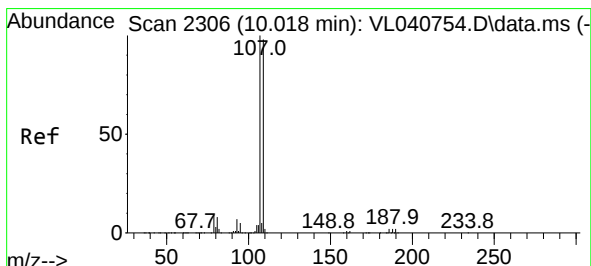
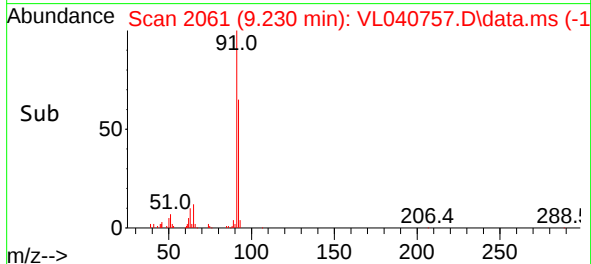
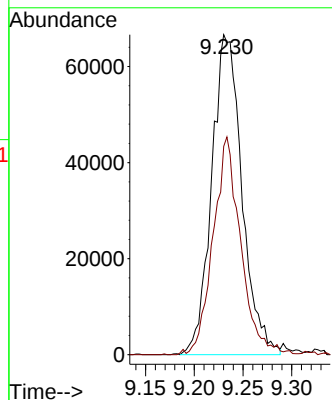
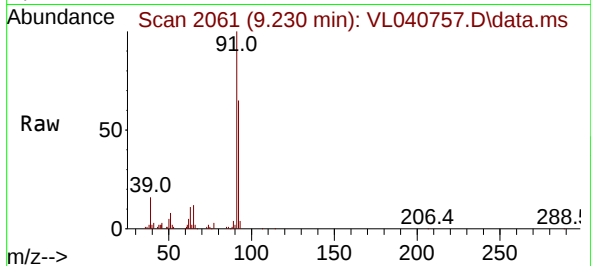
#53
Toluene
Concen: 0.603 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 14393
Ion Ratio Lower Upper
91 100
92 62.3 50.2 75.2

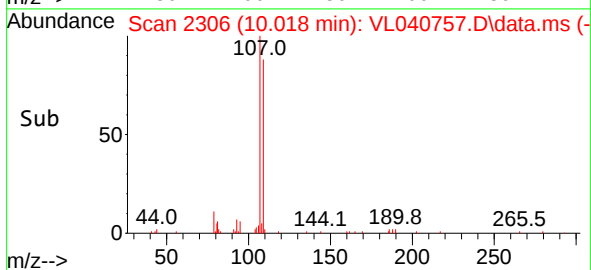
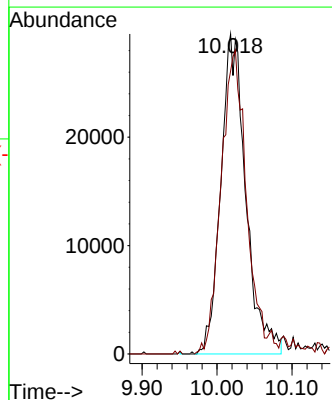
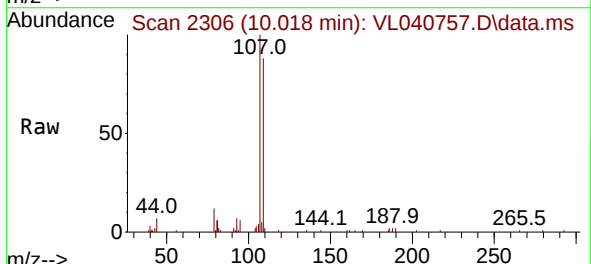
Manual Integrations
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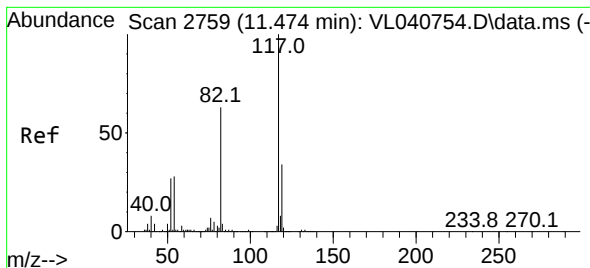
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#54
1,2-Dibromoethane
Concen: 0.539 ppbv m
RT: 10.018 min Scan# 2306
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion:107 Resp: 68655
Ion Ratio Lower Upper
107 100
109 88.4 78.2 117.2





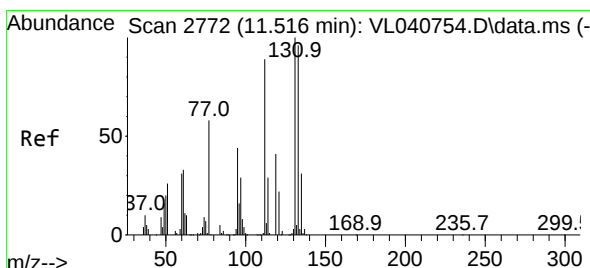
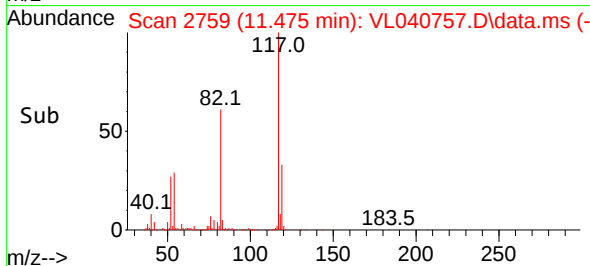
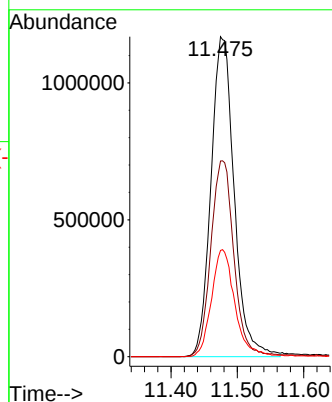
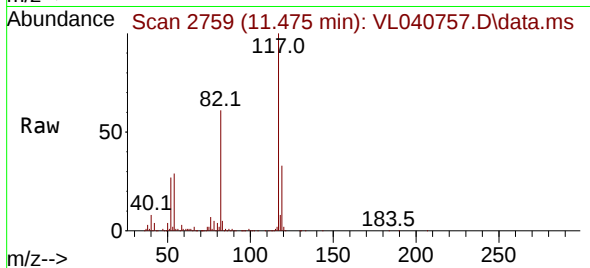
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 2842110
Ion Ratio Lower Upper
117 100
82 61.3 46.6 70.0
119 34.2 26.0 39.0

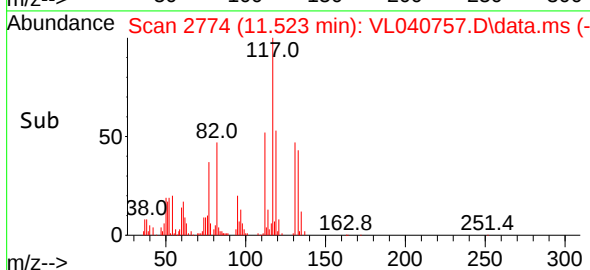
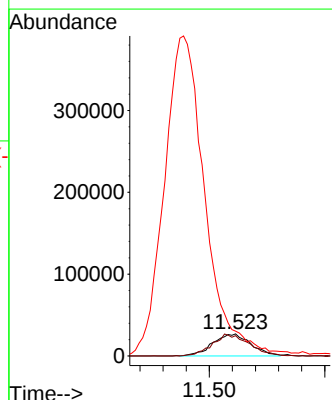
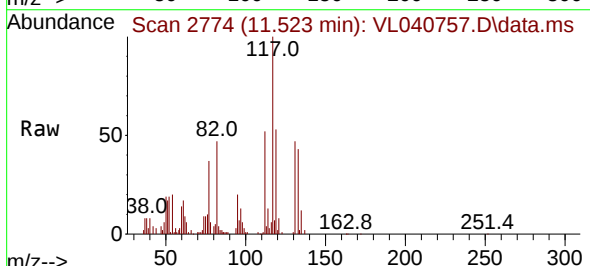
Manual Integrations
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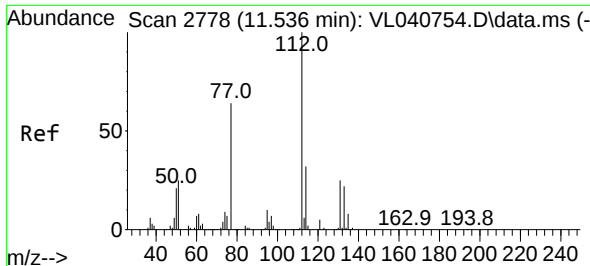
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.453 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion:131 Resp: 61414
Ion Ratio Lower Upper
131 100
133 96.1 75.0 112.6
119 1584.3 45.4 68.0#





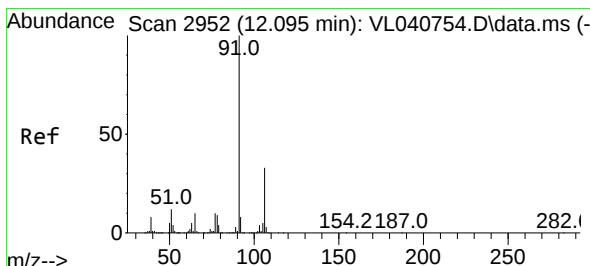
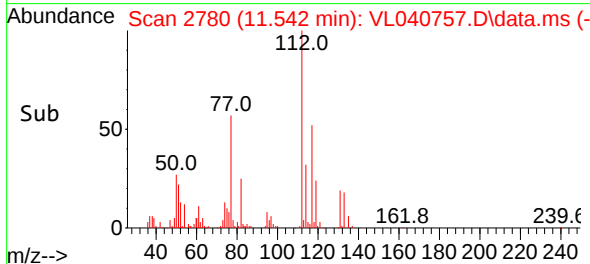
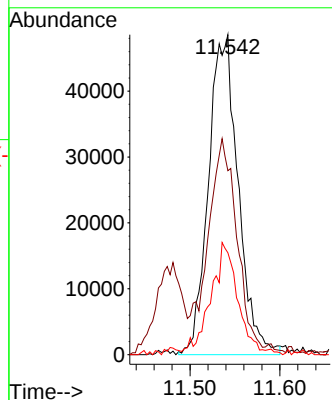
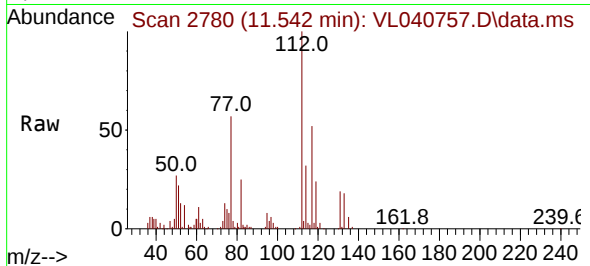
#57
Chlorobenzene
Concen: 0.517 ppbv m
RT: 11.542 min Scan# 21130
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 11130
Ion Ratio Lower Upper
112 100
77 57.5 51.9 77.9
114 31.9 28.6 35.0

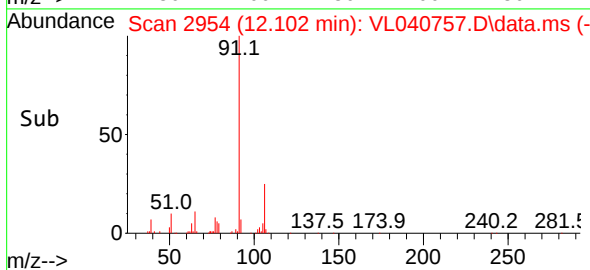
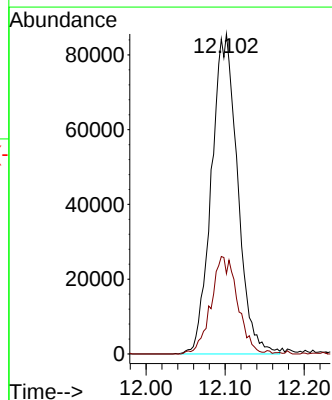
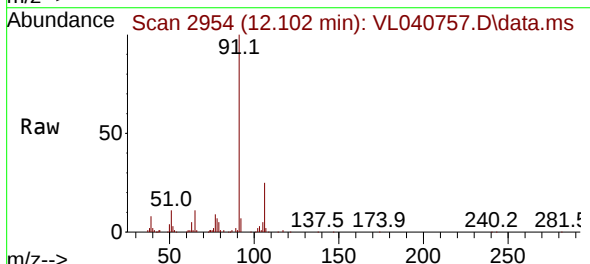
Manual Integrations
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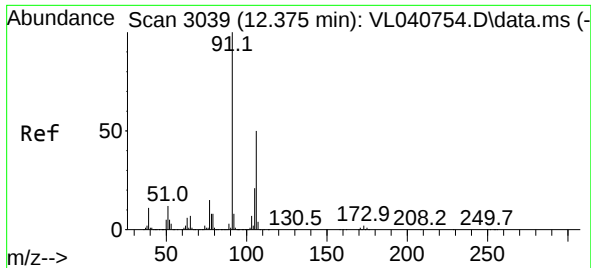
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#58
Ethyl Benzene
Concen: 0.606 ppbv m
RT: 12.102 min Scan# 2954
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 91 Resp: 196511
Ion Ratio Lower Upper
91 100
106 25.1 26.7 40.1#





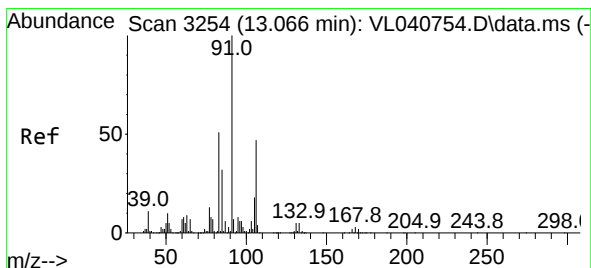
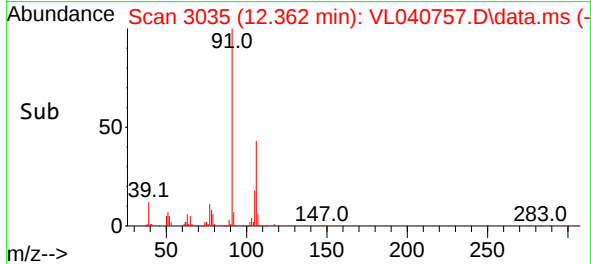
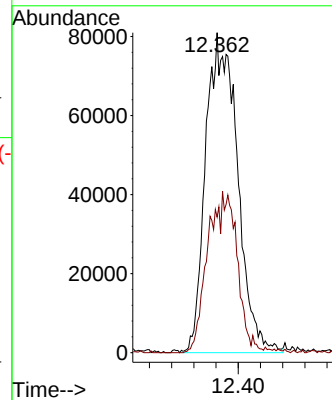
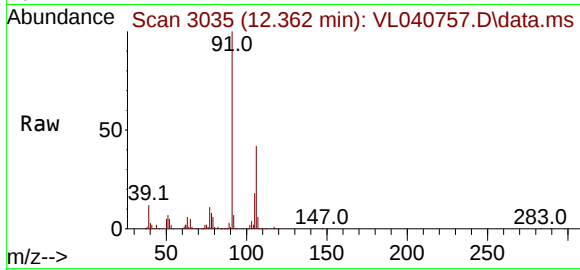
#59
m/p-Xylene
Concen: 1.051 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.013 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 31988
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

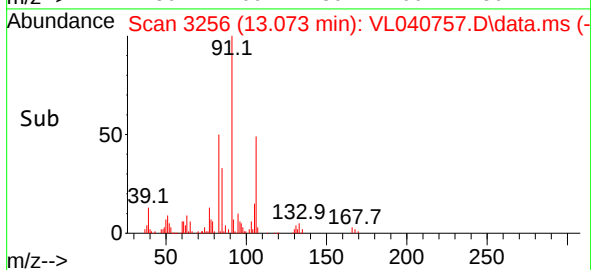
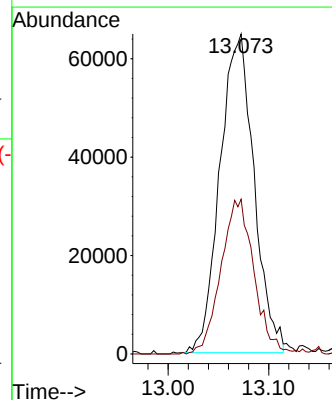
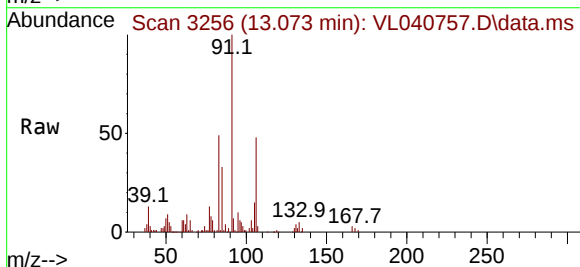
Manual Integrations
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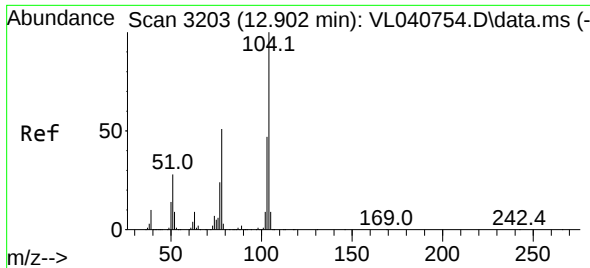
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#60
o-Xylene
Concen: 0.525 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 91 Resp: 152288
Ion Ratio Lower Upper
91 100
106 47.0 23.5 70.5





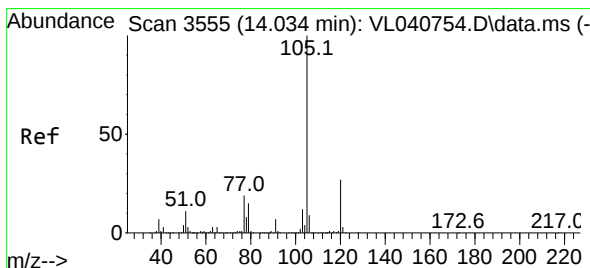
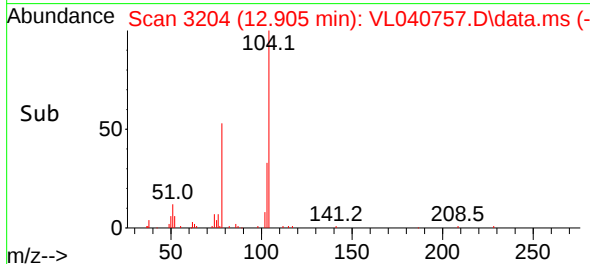
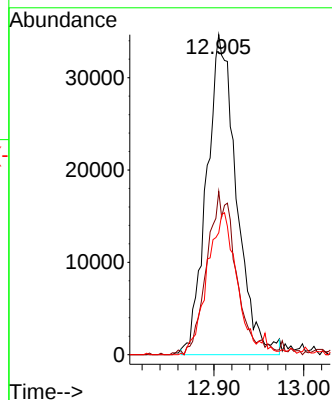
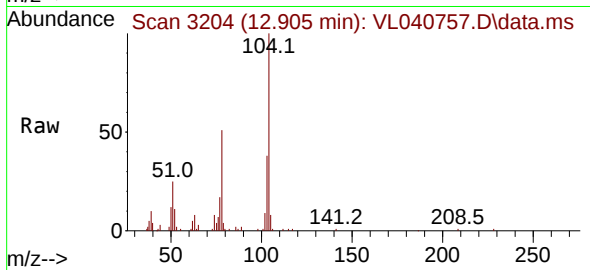
#61
Styrene
Concen: 0.658 ppbv m
RT: 12.905 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 79990
Ion Ratio Lower Upper
104 100
78 51.5 39.8 59.6
103 46.4 37.5 56.3

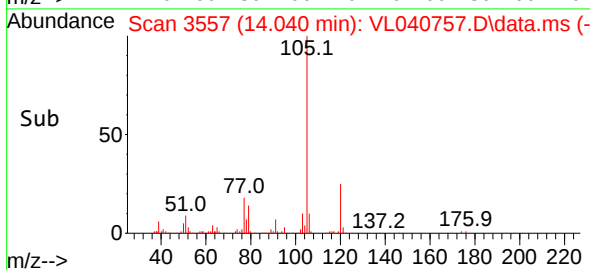
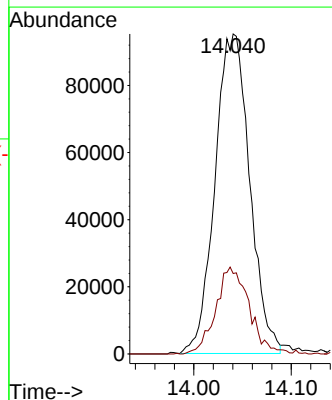
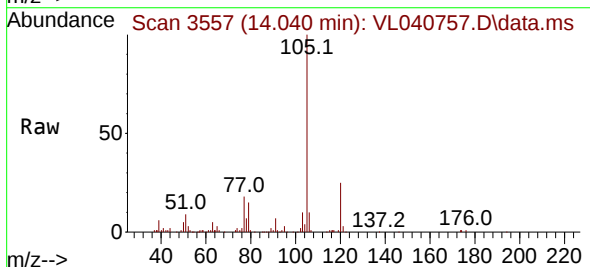
Manual Integrations
APPROVED

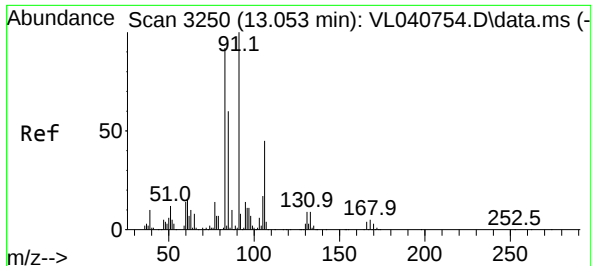
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#62
Isopropylbenzene
Concen: 0.537 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

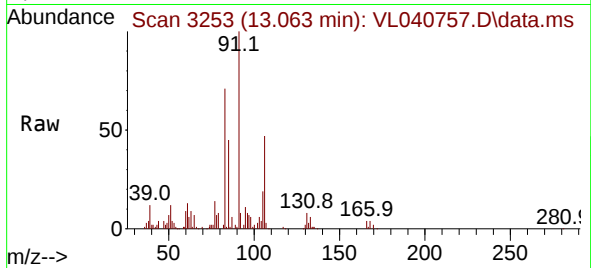
Tgt Ion:105 Resp: 235436
Ion Ratio Lower Upper
105 100
120 26.3 21.5 32.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.447 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. 0.010 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

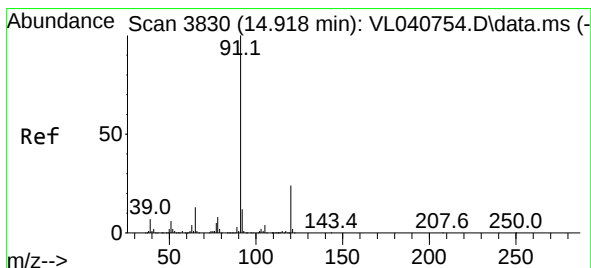
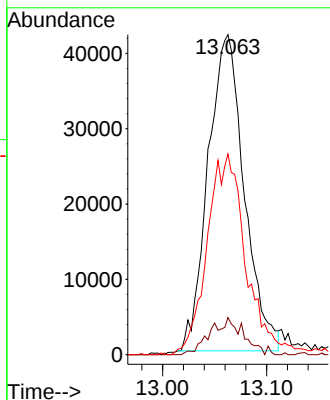
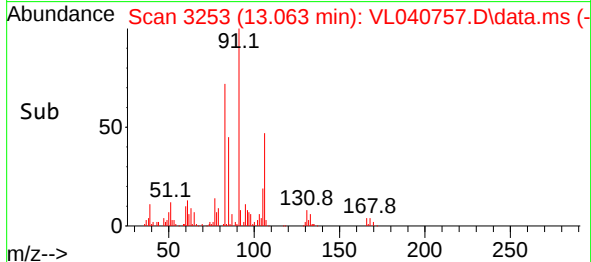
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



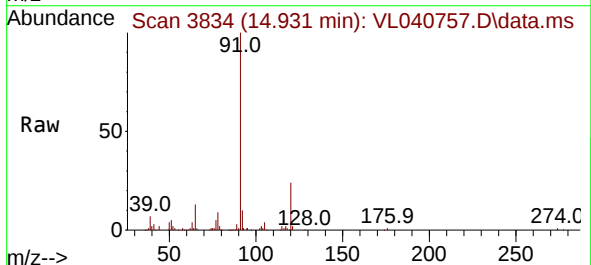
Tgt Ion: 83 Resp: 10159
Ion Ratio Lower Upper
83 100
131 10.9 4.9 14.6
85 68.7 32.9 98.7

Manual Integrations
APPROVED

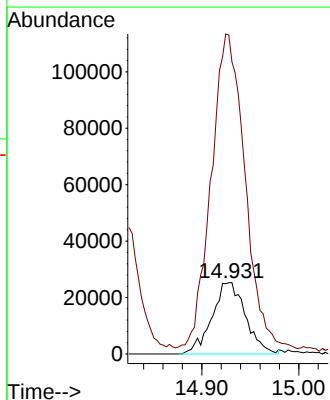
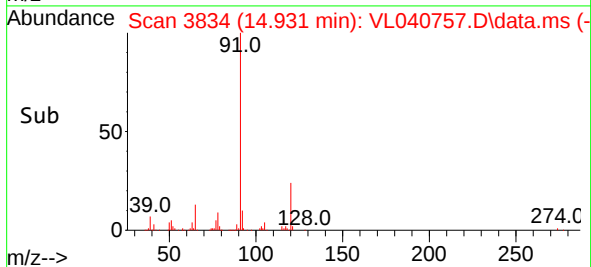
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

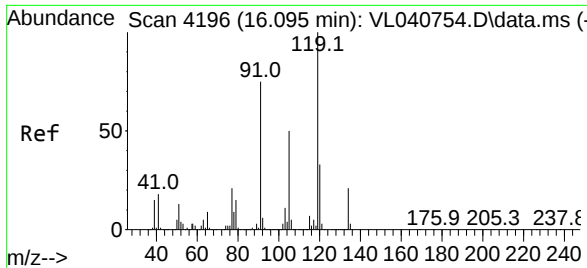


#64
n-propylbenzene
Concen: 0.555 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.013 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



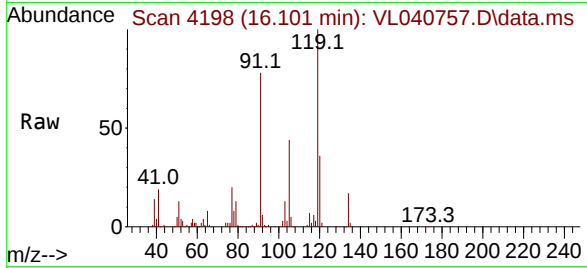
Tgt Ion:120 Resp: 60801
Ion Ratio Lower Upper
120 100
91 469.9 345.9 518.9





#65
tert-Butylbenzene
Concen: 0.552 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

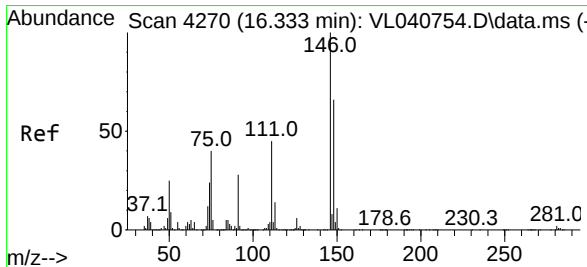
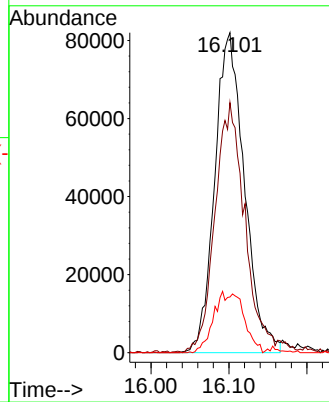
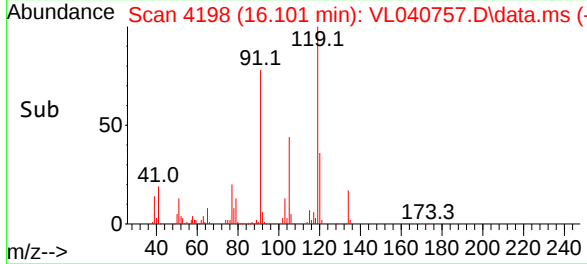
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 119 Resp: 21718
Ion Ratio Lower Upper
119 100
91 80.3 62.2 93.2
134 20.0 16.1 24.1

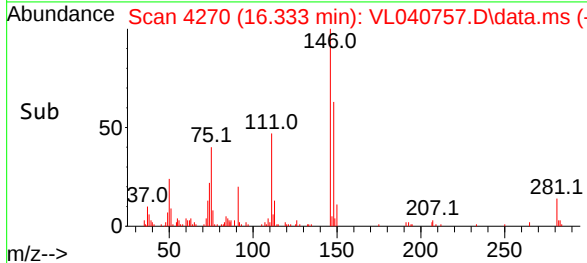
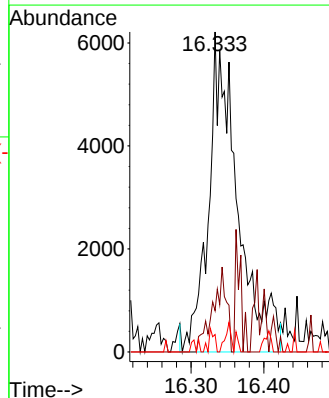
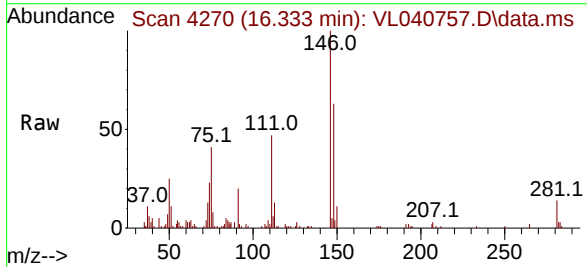
Manual Integrations
APPROVED

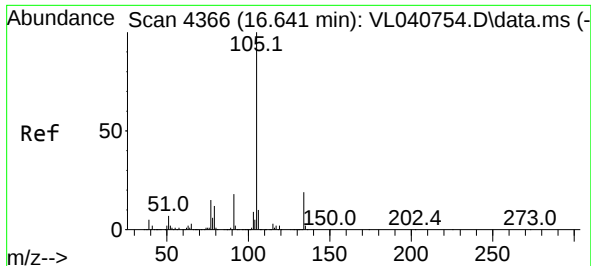
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#66
Benzyl Chloride
Concen: 0.373 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. 0.000 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion: 91 Resp: 17104
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1#
128 1.7 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.513 ppbv

RT: 16.648 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 28886

Ion Ratio Lower Upper

105 100

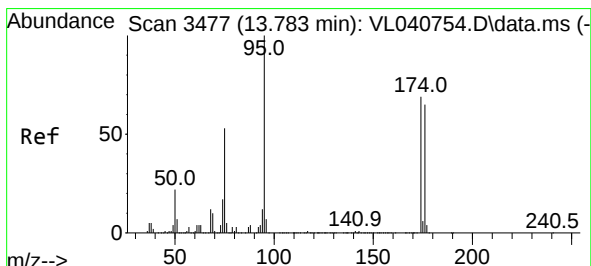
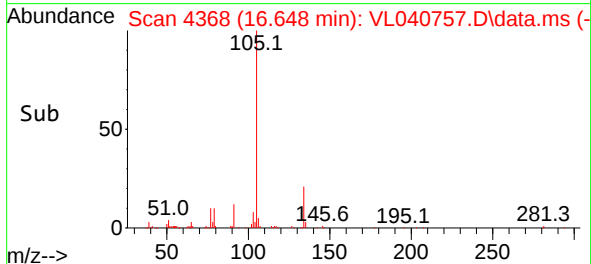
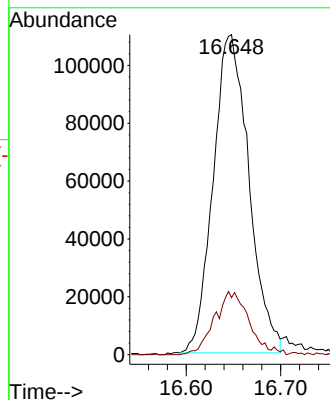
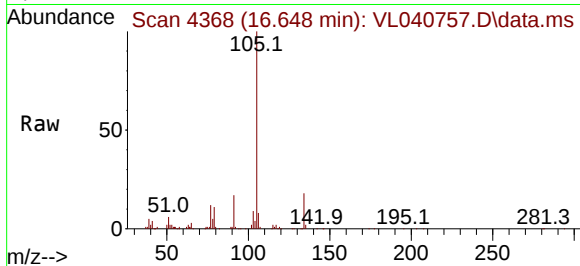
134 19.6 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.649 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.003 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

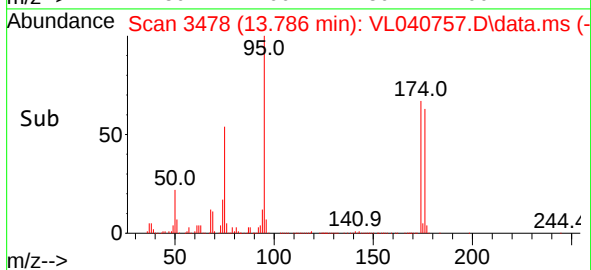
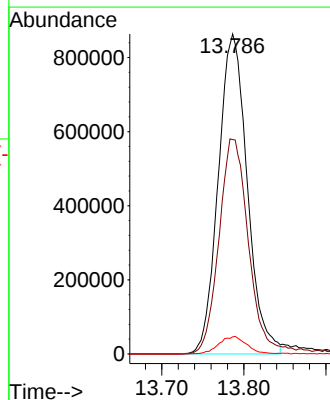
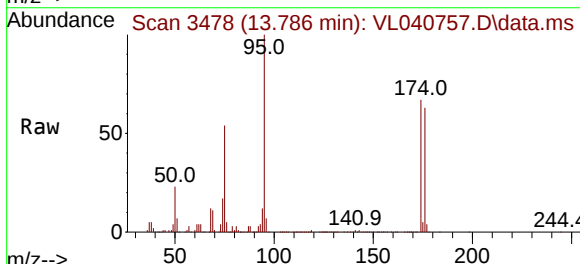
Tgt Ion: 95 Resp: 2118860

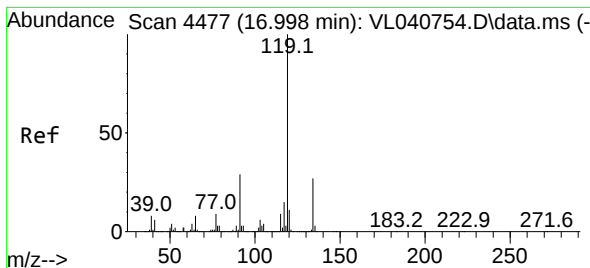
Ion Ratio Lower Upper

95 100

174 70.9 54.7 82.1

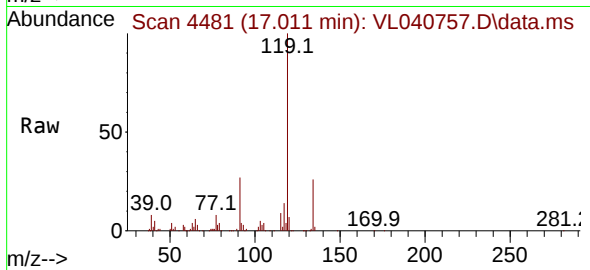
175 5.5 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.534 ppbv
RT: 17.011 min Scan# 4477
Delta R.T. 0.013 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

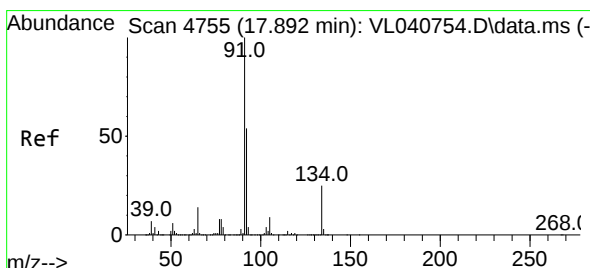
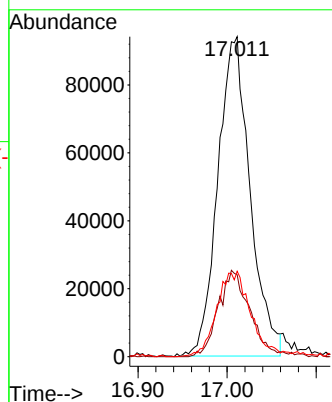
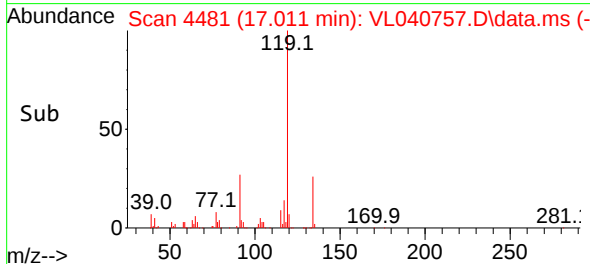
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



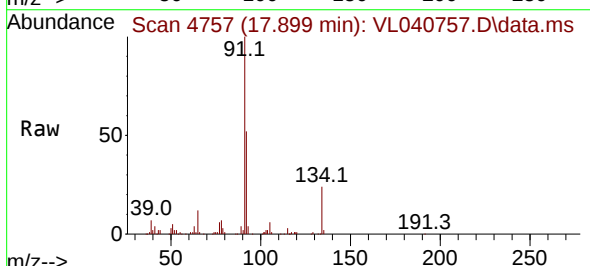
Tgt Ion:119 Resp: 236219
Ion Ratio Lower Upper
119 100
134 27.0 21.0 31.4
91 28.9 22.8 34.2

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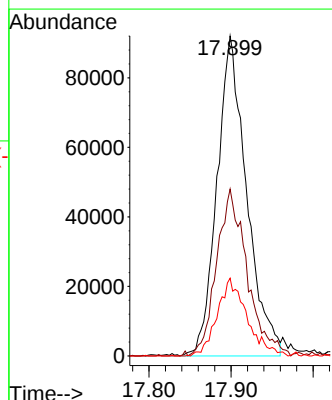
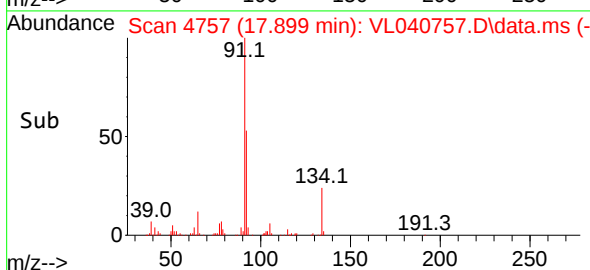
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

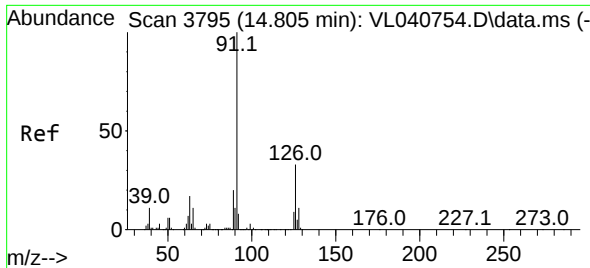


#70
n-Butylbenzene
Concen: 0.475 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



Tgt Ion: 91 Resp: 231315
Ion Ratio Lower Upper
91 100
92 54.1 44.1 66.1
134 24.3 19.5 29.3





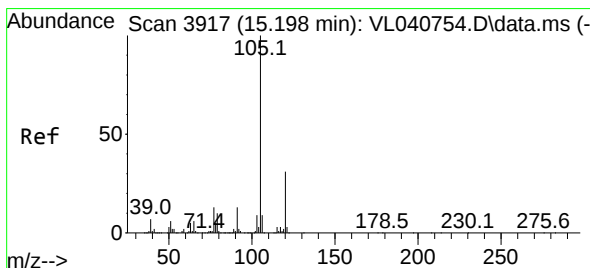
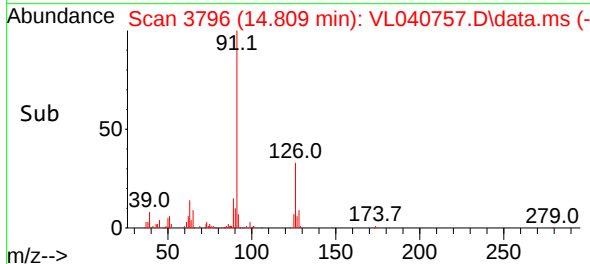
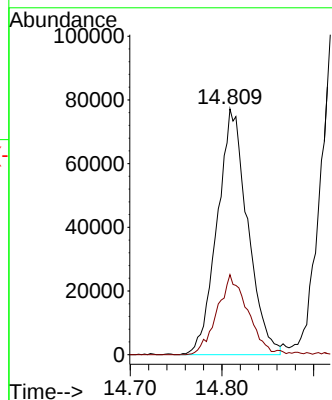
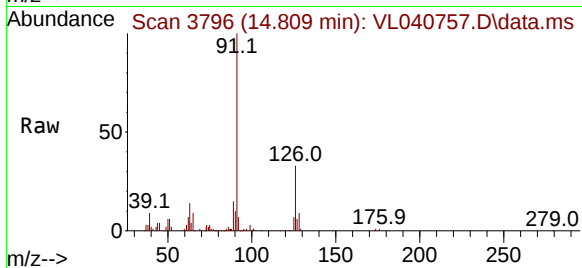
#71
2-Chlorotoluene
Concen: 0.550 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 17830
Ion Ratio Lower Upper
91 100
126 33.6 13.3 53.1

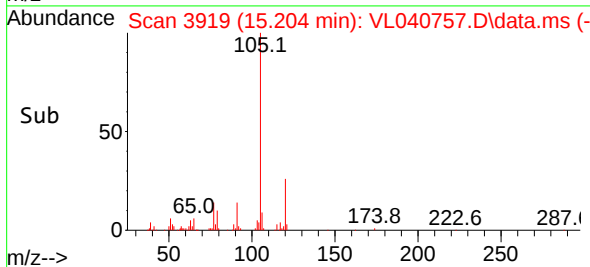
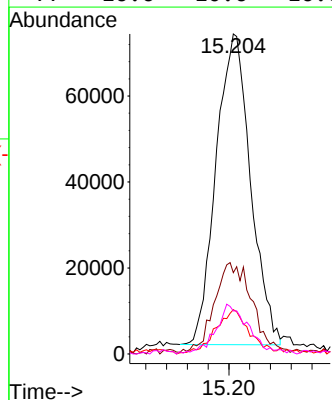
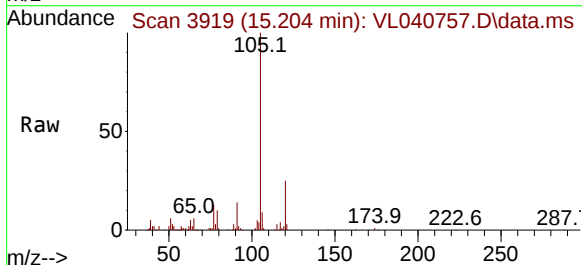
Manual Integrations
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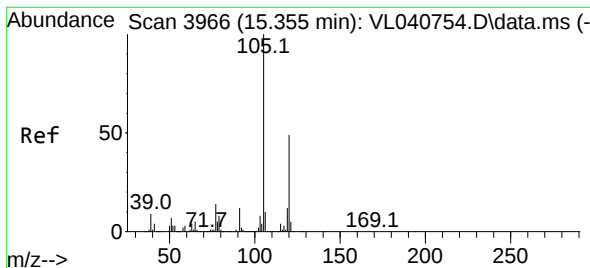
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#72
4-Ethyltoluene
Concen: 0.512 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

Tgt Ion:105 Resp: 166645
Ion Ratio Lower Upper
105 100
120 33.3 25.0 37.4
91 13.6 9.8 14.8
77 16.6 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.520 ppbv

RT: 15.362 min Scan# 3966

Delta R.T. 0.007 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 152449

Ion Ratio Lower Upper

105 100

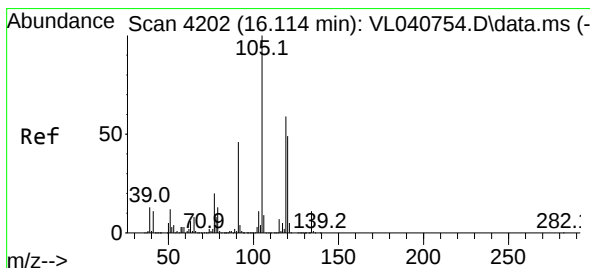
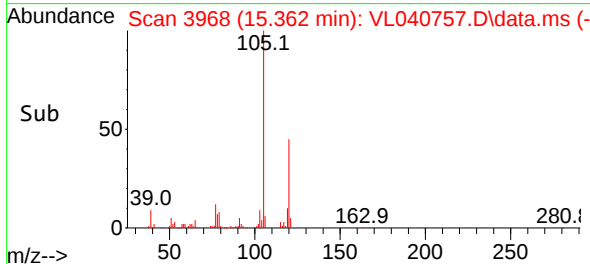
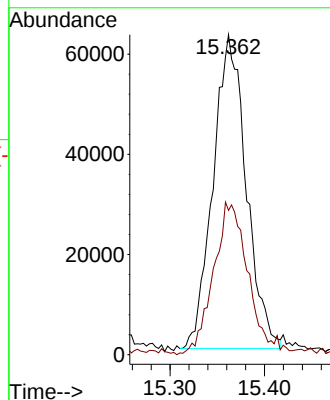
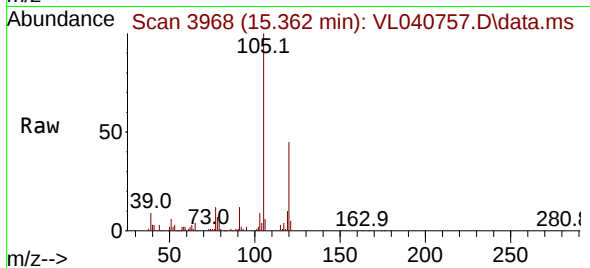
120 45.4 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.470 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. 0.000 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Tgt Ion:105 Resp: 167891

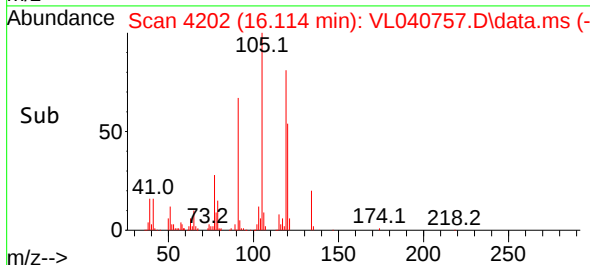
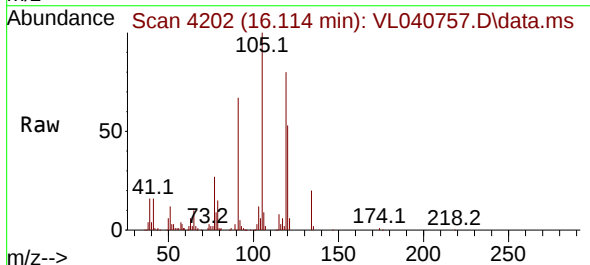
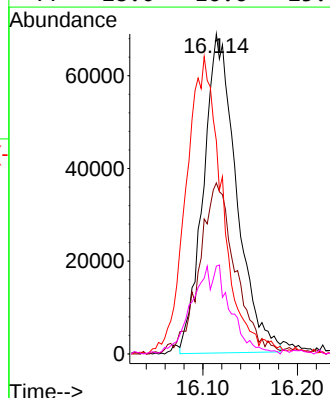
Ion Ratio Lower Upper

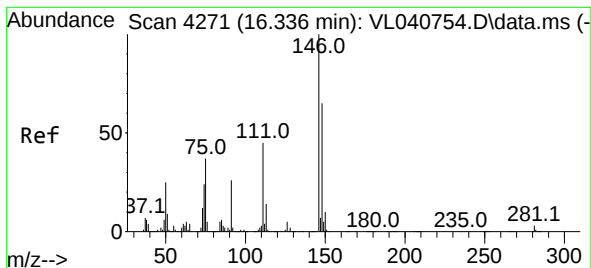
105 100

120 53.5 39.4 59.2

91 65.5 38.6 58.0#

77 28.0 16.6 25.0#





#75

1,3-Dichlorobenzene

Concen: 0.517 ppbv m

RT: 16.346 min Scan# 4271

Delta R.T. 0.010 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:146 Resp: 10518

Ion Ratio Lower Upper

146 100

111 46.5 22.6 67.7

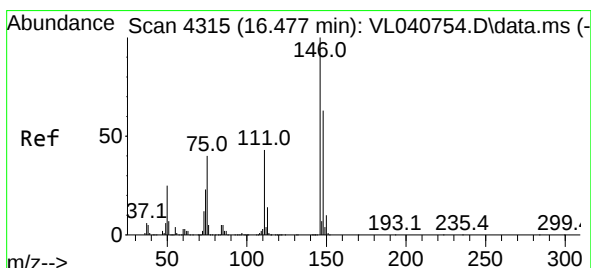
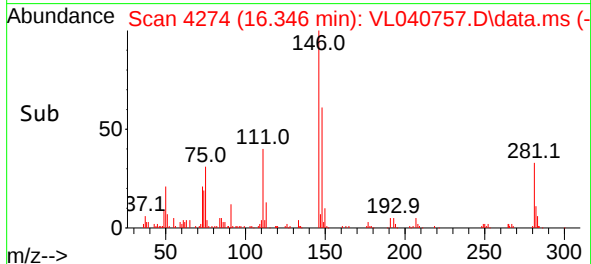
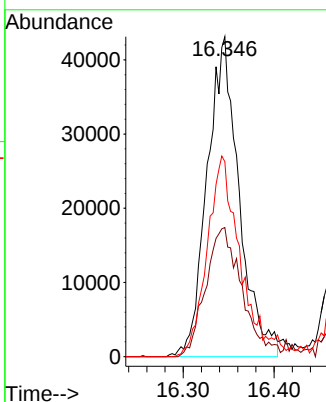
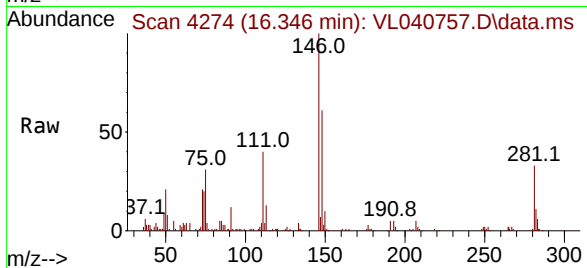
148 65.5 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#76

1,4-Dichlorobenzene

Concen: 0.526 ppbv m

RT: 16.484 min Scan# 4317

Delta R.T. 0.007 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

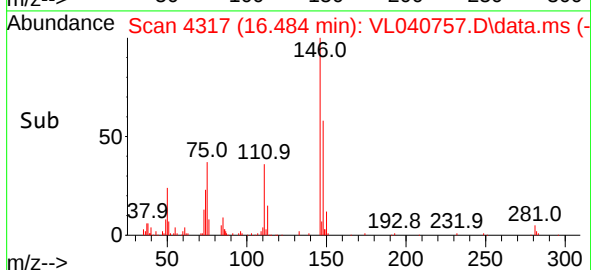
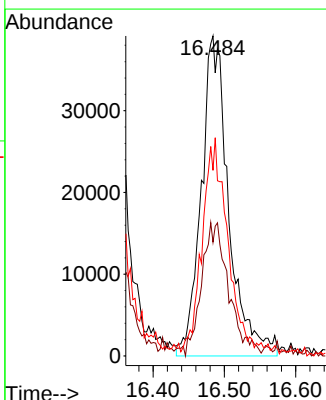
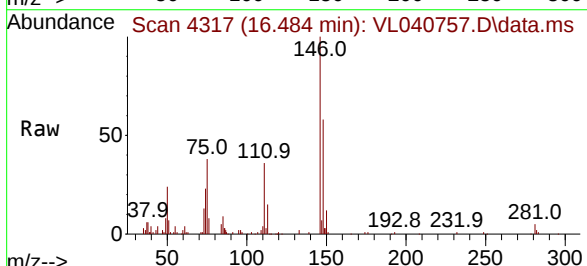
Tgt Ion:146 Resp: 105231

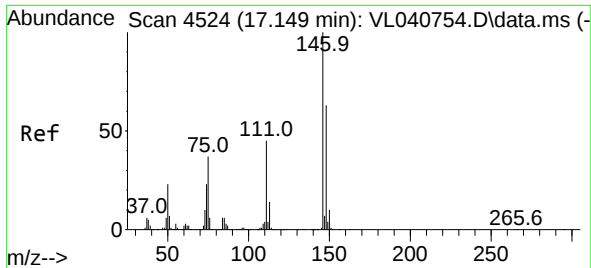
Ion Ratio Lower Upper

146 100

111 43.8 22.0 66.0

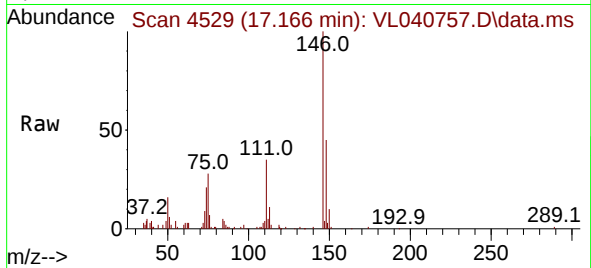
148 66.2 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.534 ppbv m
RT: 17.166 min Scan# 4529
Delta R.T. 0.016 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

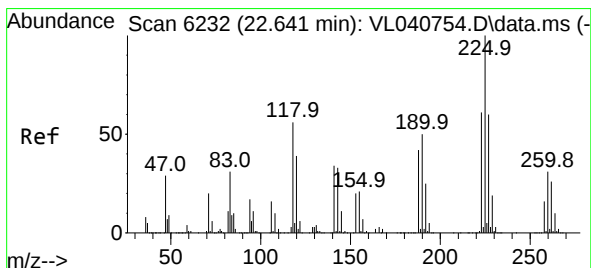
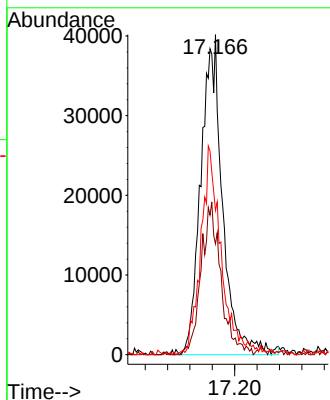
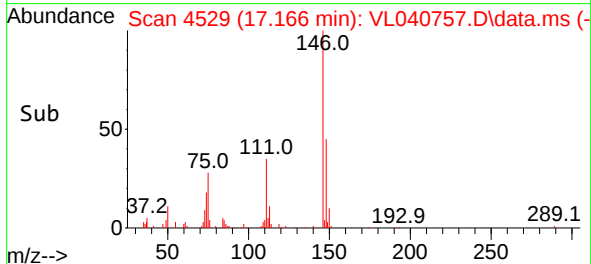
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:146 Resp: 108268
Ion Ratio Lower Upper
146 100
111 44.7 22.9 68.8
148 61.7 32.3 96.8

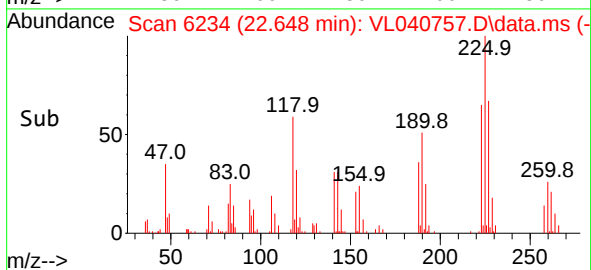
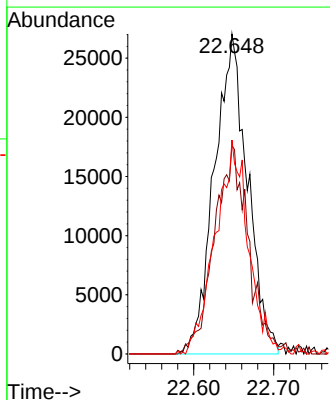
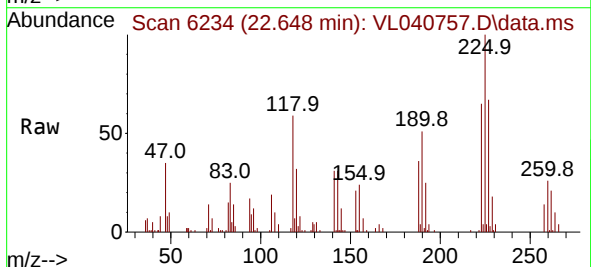
Manual Integrations
APPROVED

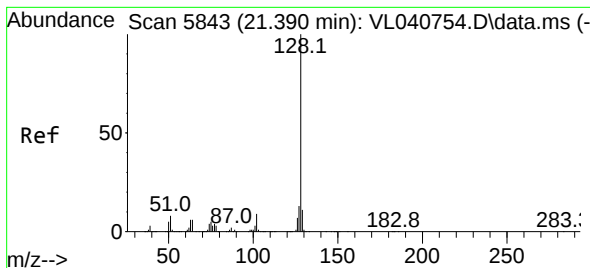
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.508 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.007 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

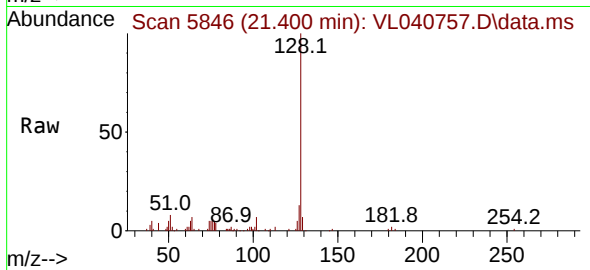
Tgt Ion:225 Resp: 77973
Ion Ratio Lower Upper
225 100
223 67.6 50.7 76.1
227 66.3 51.4 77.0





#79
Naphthalene
Concen: 0.558 ppbv m
RT: 21.400 min Scan# 5843
Delta R.T. 0.010 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56

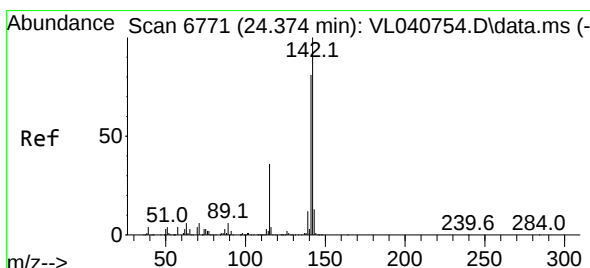
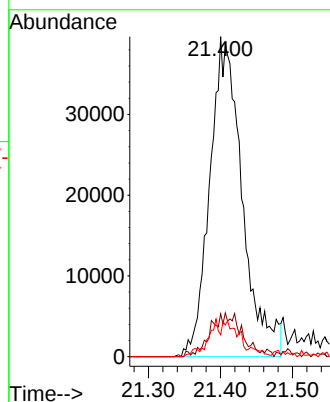
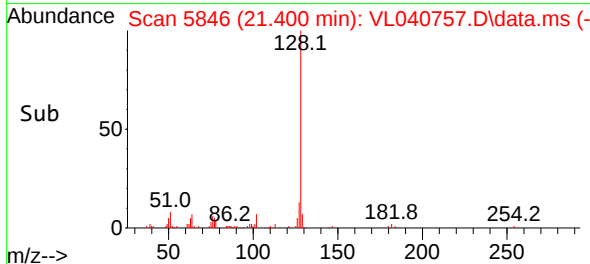
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



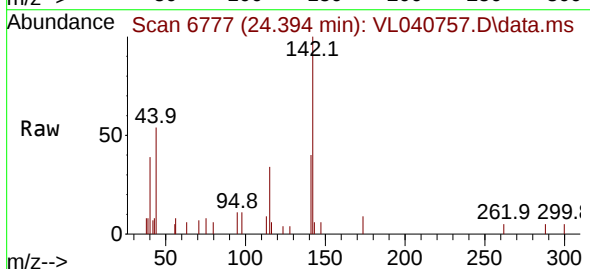
Tgt Ion:128 Resp: 123945
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 6.8 9.0 13.4

Manual Integrations
APPROVED

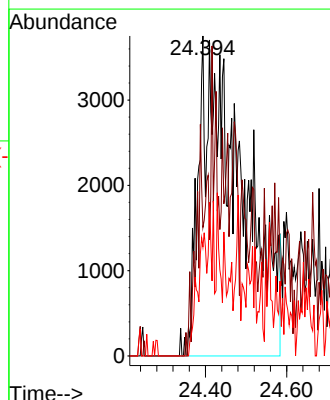
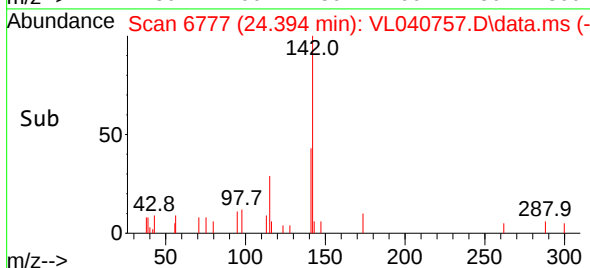
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

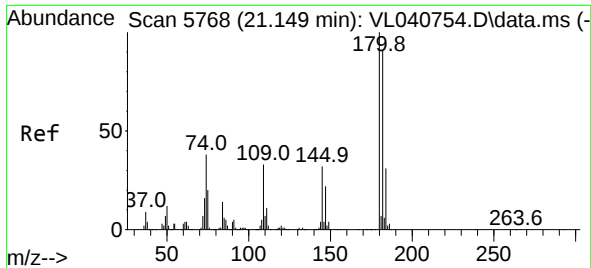


#80
Naphthalene,2-methyl-
Concen: 0.491 ppbv m
RT: 24.394 min Scan# 6777
Delta R.T. 0.019 min
Lab File: VL040757.D
Acq: 11 Oct 2023 13:56



Tgt Ion:142 Resp: 26726
Ion Ratio Lower Upper
142 100
141 16.6 66.3 99.5#
115 6.2 30.0 45.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.458 ppbv m

RT: 21.159 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040757.D

Acq: 11 Oct 2023 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 6652

Ion Ratio Lower Upper

180 100

182 0.0 77.9 116.9

184 0.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023

