

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040755.D
 Acq On : 11 Oct 2023 12:41
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations APPROVED

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

Quant Time: Oct 11 14:01:16 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 12:36:37 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1140291	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3171153	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3106003	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2260269 9.419 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	430318	1.713	ppbv	99
3) Chlorodifluoromethane	2.703	51	351532	1.892	ppbv	100
4) Chloromethane	2.841	50	139527	1.962	ppbv	99
5) Vinyl Chloride	2.947	62	137400	1.635	ppbv	97
6) Bromomethane	3.147	94	58848	1.451	ppbv	99
7) Chloroethane	3.224	64	47059	1.630	ppbv	97
8) Dichlorotetrafluoroethane	2.883	85	318244	1.534	ppbv	96
9) Propene	2.722	41	127727	2.387	ppbv	94
10) Heptane	7.590	43	332875	2.760	ppbv	99
11) Trichlorofluoromethane	3.587	101	326683	1.479	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	234135	1.482	ppbv	99
13) Ethanol	3.279	45	27202	1.717	ppbv	89
14) Bromoethene	3.388	108	103937	1.568	ppbv	99
15) Acetone	3.497	43	268745	1.787	ppbv	100
16) 1,3-Butadiene	3.012	39	130954	1.998	ppbv	98
17) tert-Butyl alcohol	3.906	59	235183	1.526	ppbv	100
18) 1,1-Dichloroethene	3.902	96	106768	1.520	ppbv	98
19) Isopropyl Alcohol	3.603	45	144760	1.597	ppbv #	40
20) Methylene Chloride	3.954	84	97863	1.209	ppbv	93
21) Allyl Chloride	4.018	41	160969	1.746	ppbv	91
22) trans-1,2-Dichloroethene	4.465	96	100285	1.444	ppbv	93
23) Vinyl Acetate	4.645	43	281888	1.812	ppbv #	96
24) 1,1-Dichloroethane	4.578	63	230468	1.583	ppbv	99
25) Ethyl Acetate	5.224	43	548390	2.261	ppbv	99
26) Hexane	5.230	57	252557	2.202	ppbv	98
27) Carbon Disulfide	4.144	76	277812	1.737	ppbv #	91
28) Methyl tert-Butyl Ether	4.610	73	183379	1.858	ppbv	97
29) Chloroform	5.288	83	361434	1.825	ppbv	98
30) Cyclohexane	6.613	84	206031	2.385	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	230034	2.162	ppbv	93
32) 1,1,1-Trichloroethane	6.012	97	371591	1.835	ppbv	100
34) 2-Butanone	4.809	43	305925	1.918	ppbv	97
35) Carbon Tetrachloride	6.507	117	370859	1.703	ppbv	98
36) Benzene	6.381	78	518992	2.210	ppbv	99
37) 1,2-Dichloroethane	5.822	62	259527	1.615	ppbv	99
38) Trichloroethene	7.301	130	197535	2.206	ppbv	95
39) 1,2-Dichloropropane	7.082	63	199156	2.203	ppbv	96
40) 1,4-Dioxane	7.311	88	70809	2.072	ppbv #	95
41) Tetrahydrofuran	5.581	42	213303	2.608	ppbv	99
42) Bromodichloromethane	7.259	83	400497	1.826	ppbv	96
43) Methyl Methacrylate	7.487	69	206110	2.361	ppbv	100
44) 2,2,4-Trimethylpentane	7.340	57	886436	2.371	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	161260	2.383	ppbv	100

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

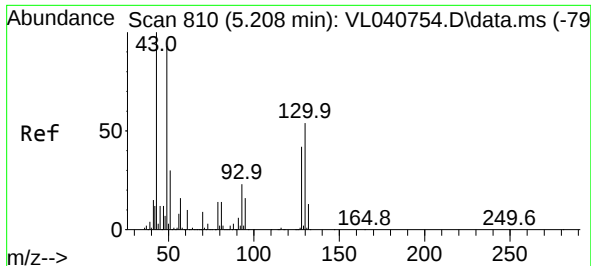
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Oct 11 12:36:37 2023

Response via : Initial Calibration

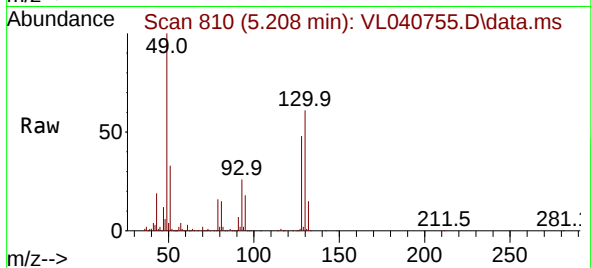
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	198461	2.397	ppbv	93
47) 1,1,2-Trichloroethane	8.909	97	211007	2.034	ppbv	95
48) Dibromochloromethane	9.719	129	355382	2.077	ppbv	99
49) Bromoform	12.410	173	303763	2.161	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	535695	2.486	ppbv	100
51) 2-Hexanone	9.568	43	381826	2.567	ppbv #	93
52) Tetrachloroethene	10.622	164	200583	2.619	ppbv	94
53) Toluene	9.227	91	617192	2.489	ppbv	98
54) 1,2-Dibromoethane	10.015	107	297069	2.244	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	269662	1.821	ppbv #	1
57) Chlorobenzene	11.532	112	473619	2.014	ppbv	98
58) Ethyl Benzene	12.092	91	836972	2.364	ppbv	98
59) m/p-Xylene	12.378	91	1388722m	4.176	ppbv	
60) o-Xylene	13.063	91	653238	2.060	ppbv	99
61) Styrene	12.902	104	361667	2.721	ppbv	99
62) Isopropylbenzene	14.031	105	1019908	2.130	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	459963	1.851	ppbv	99
64) n-propylbenzene	14.918	120	273112	2.281	ppbv	93
65) tert-Butylbenzene	16.095	119	922882	2.148	ppbv	99
66) Benzyl Chloride	16.336	91	84763	1.690	ppbv #	92
67) sec-Butylbenzene	16.638	105	1273265	2.070	ppbv	99
69) p-Isopropyltoluene	16.998	119	1079368	2.232	ppbv	99
70) n-Butylbenzene	17.892	91	1068330	2.008	ppbv	98
71) 2-Chlorotoluene	14.802	91	746599	2.108	ppbv	100
72) 4-Ethyltoluene	15.198	105	780861	2.196	ppbv	100
73) 1,3,5-Trimethylbenzene	15.355	105	672409	2.100	ppbv	98
74) 1,2,4-Trimethylbenzene	16.111	105	753689	1.931	ppbv	97
75) 1,3-Dichlorobenzene	16.333	146	459460	2.066	ppbv	98
76) 1,4-Dichlorobenzene	16.474	146	440360	2.012	ppbv	98
77) 1,2-Dichlorobenzene	17.146	146	446072	2.014	ppbv	98
78) Hexachloro-1,3-Butadiene	22.638	225	337499m	2.014	ppbv	
79) Naphthalene	21.390	128	677067	2.787	ppbv	96
80) Naphthalene,2-methyl-	24.384	142	166967	2.806	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	355393m	2.240	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040755.D
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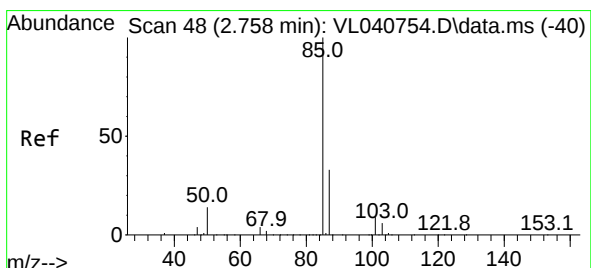
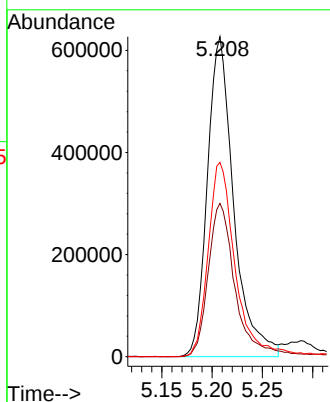
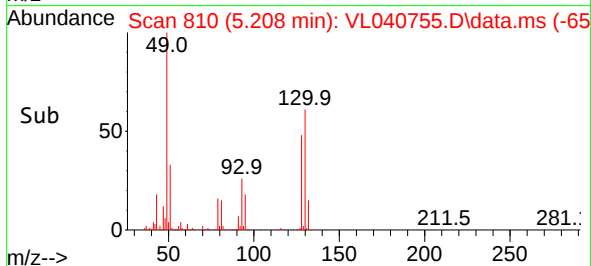
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



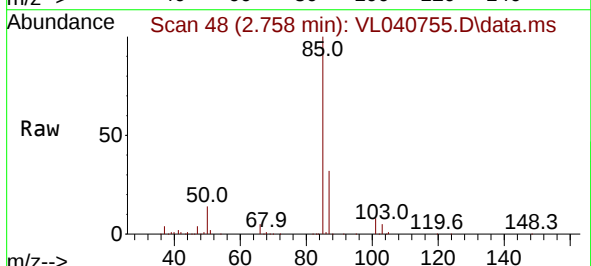
Tgt Ion: 49 Resp: 114029
Ion Ratio Lower Upper
49 100
128 49.9 23.9 71.7
130 64.4 30.7 92.1

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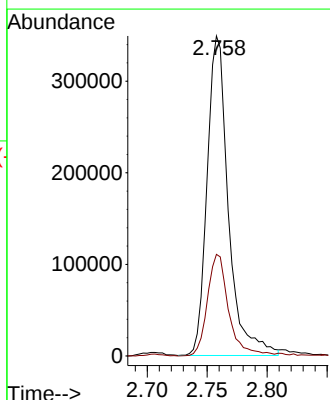
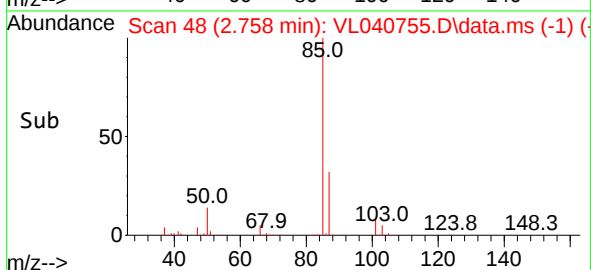
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

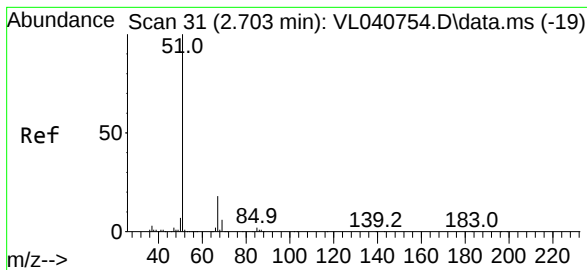


#2
Dichlorodifluoromethane
Concen: 1.713 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



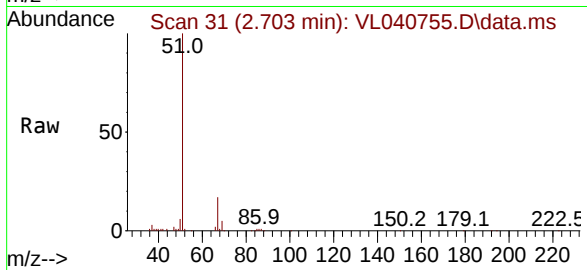
Tgt Ion: 85 Resp: 430318
Ion Ratio Lower Upper
85 100
87 31.8 26.0 39.0





#3
Chlorodifluoromethane
Concen: 1.892 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

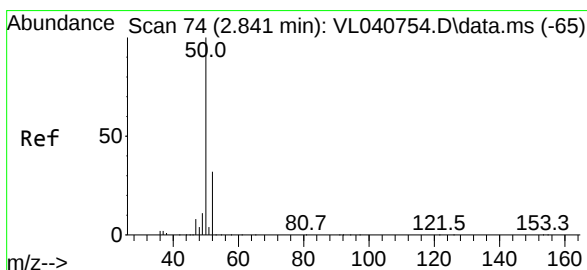
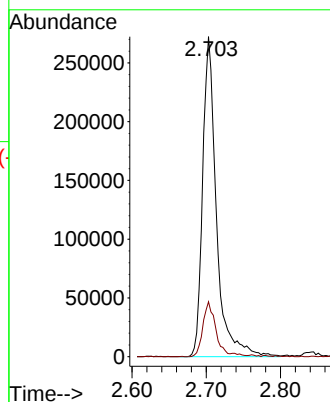
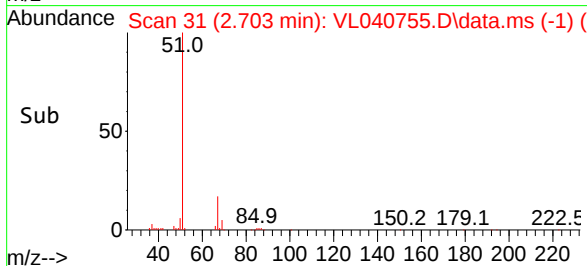
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



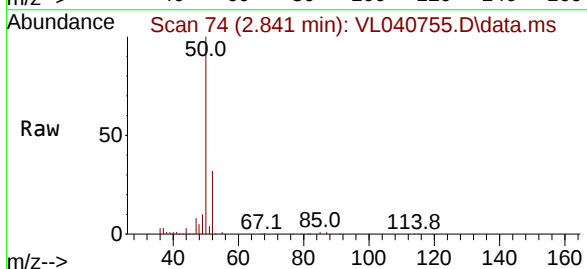
Tgt Ion: 51 Resp: 351532
Ion Ratio Lower Upper
51 100
67 17.2 13.8 20.6

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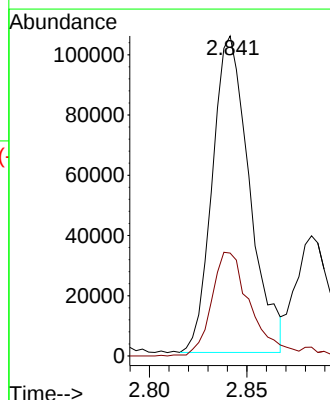
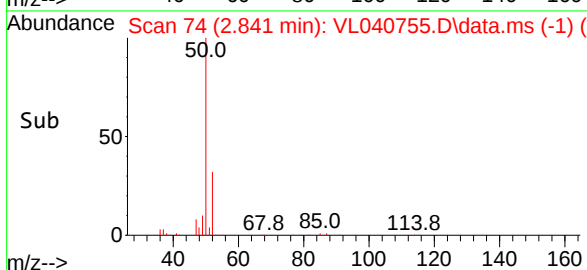
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

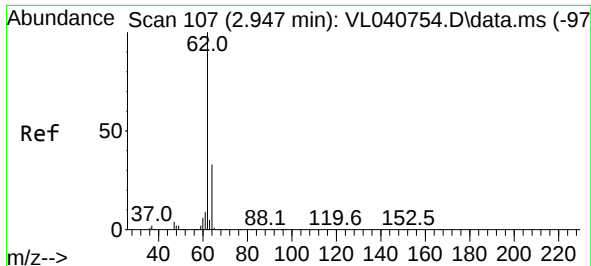


#4
Chloromethane
Concen: 1.962 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



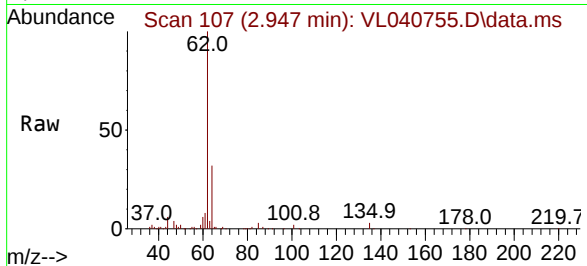
Tgt Ion: 50 Resp: 139527
Ion Ratio Lower Upper
50 100
52 32.2 25.3 37.9





#5
 Vinyl Chloride
 Concen: 1.635 ppbv
 RT: 2.947 min Scan# 107
 Delta R.T. 0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

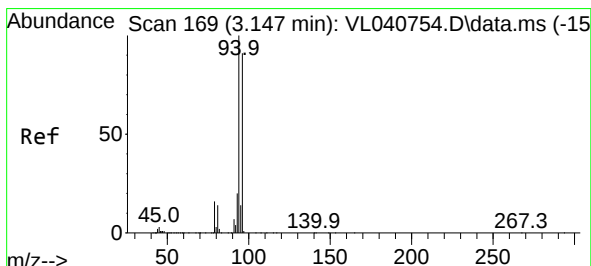
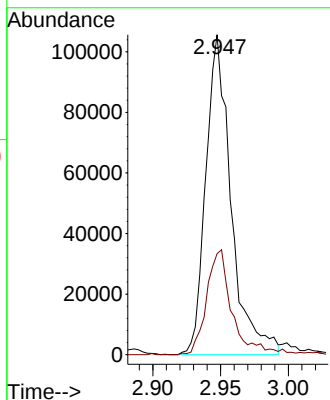
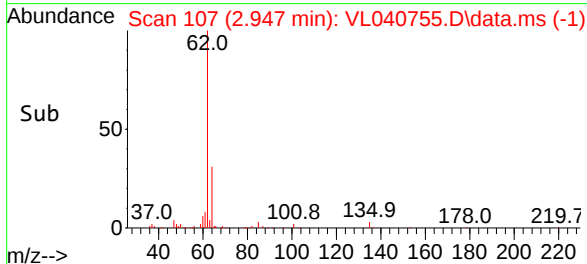
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 137400
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.6 39.8

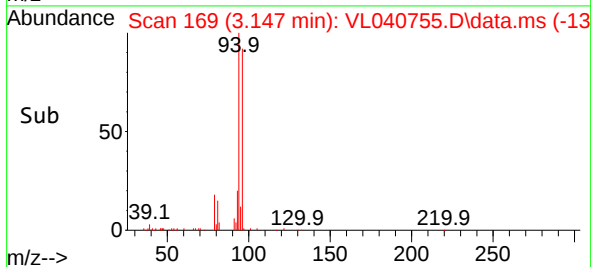
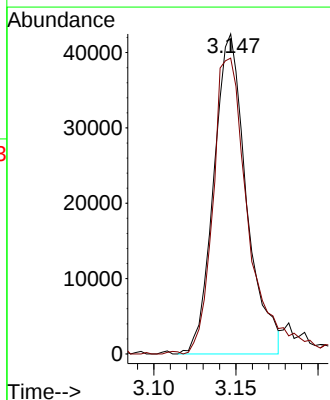
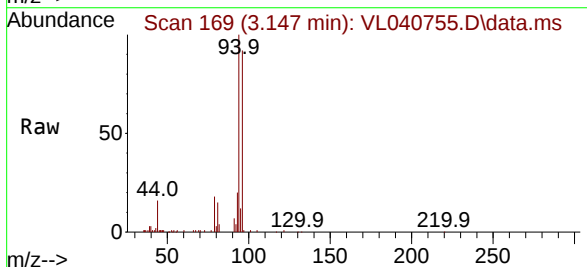
Manual Integrations
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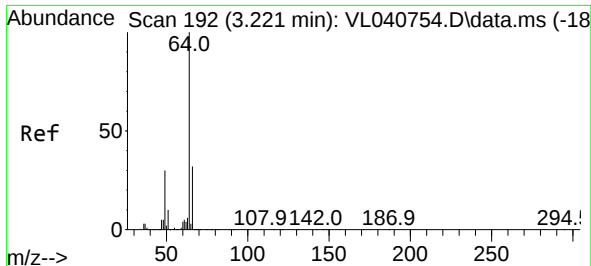
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#6
 Bromomethane
 Concen: 1.451 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. 0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

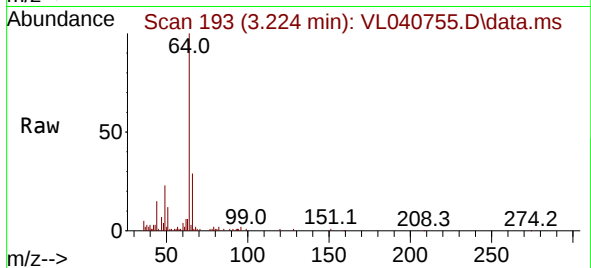
Tgt Ion: 94 Resp: 58848
 Ion Ratio Lower Upper
 94 100
 96 91.8 72.6 109.0





#7
Chloroethane
Concen: 1.630 ppbv
RT: 3.224 min Scan# 192
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

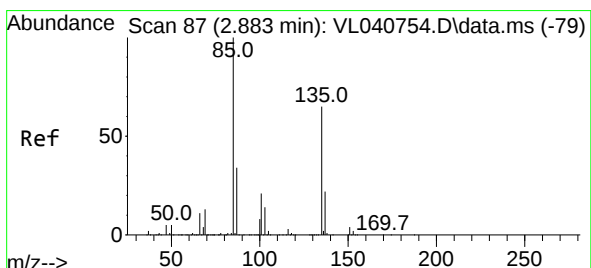
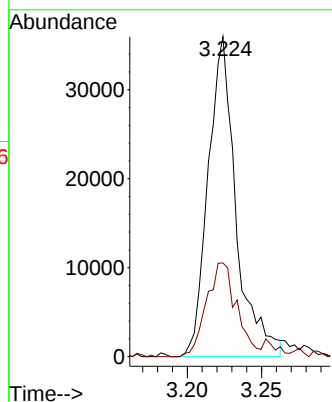
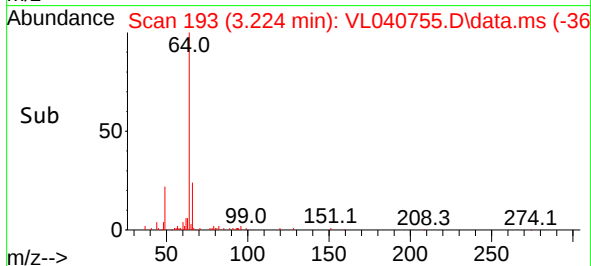
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 64 Resp: 47059
Ion Ratio Lower Upper
64 100
66 30.0 25.4 38.2

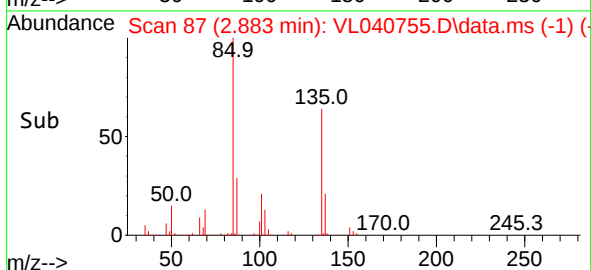
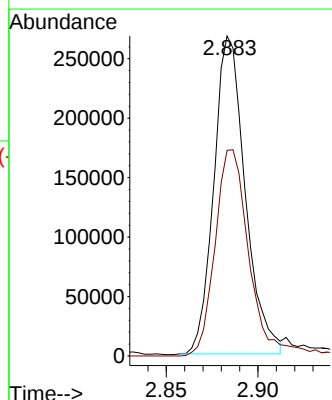
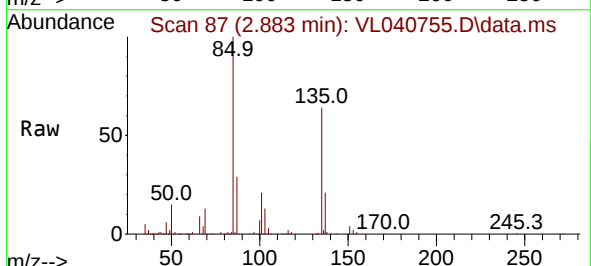
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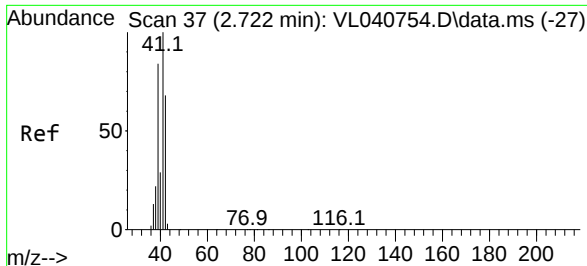
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#8
Dichlorotetrafluoroethane
Concen: 1.534 ppbv
RT: 2.883 min Scan# 87
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

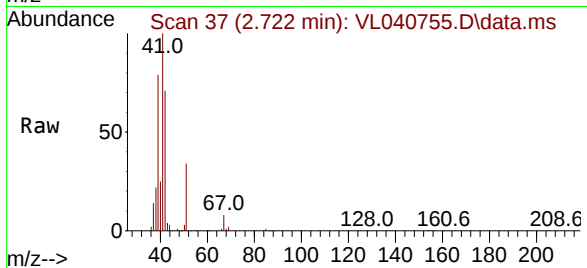
Tgt Ion: 85 Resp: 318244
Ion Ratio Lower Upper
85 100
135 72.6 55.4 83.2





#9
 Propene
 Concen: 2.387 ppbv
 RT: 2.722 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

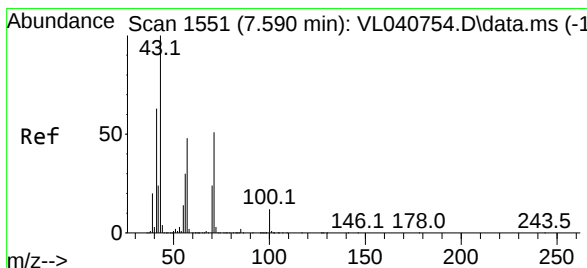
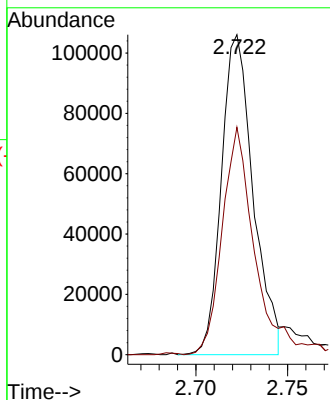
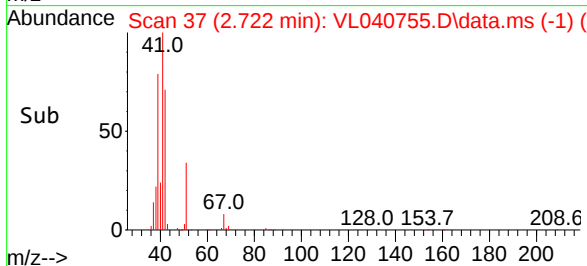
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



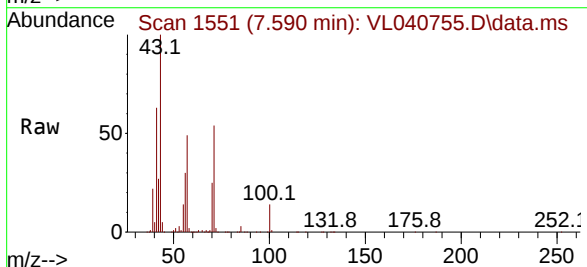
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 Ion Ratio Lower Upper
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 42 76.3 57.1 85.7

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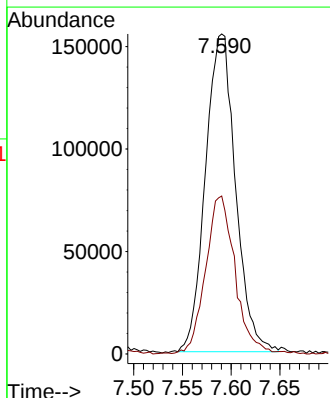
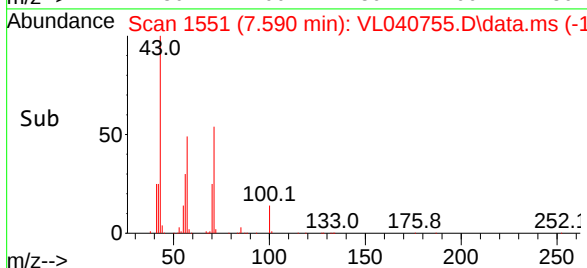
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

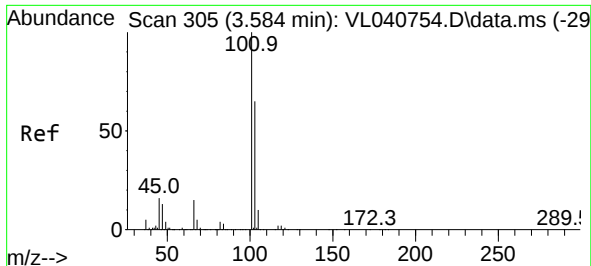


#10
 Heptane
 Concen: 2.760 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41



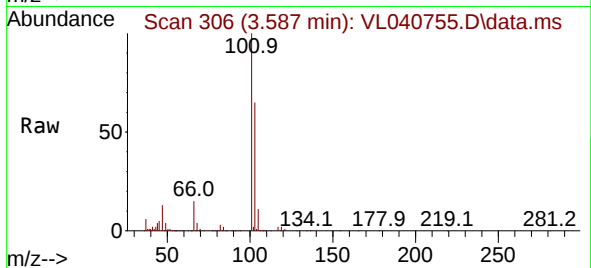
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 Ion Ratio Lower Upper
 43 100
 57 49.1 40.0 60.0





#11
Trichlorofluoromethane
Concen: 1.479 ppbv
RT: 3.587 min Scan# 305
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

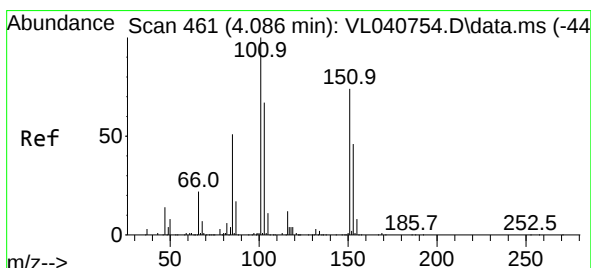
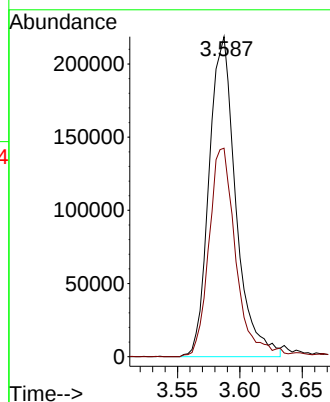
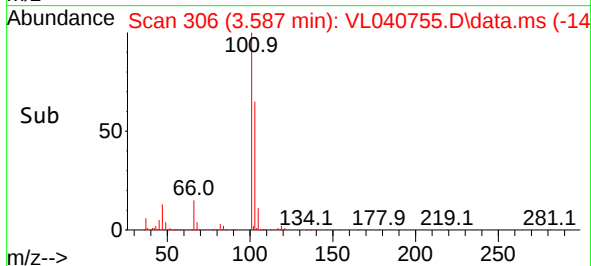
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:101 Resp: 326683
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.2

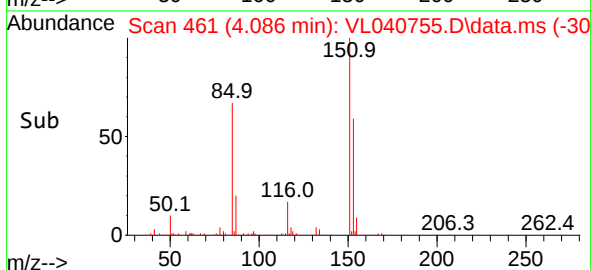
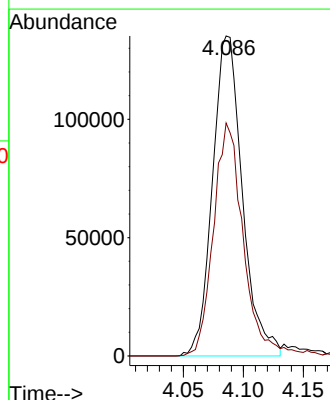
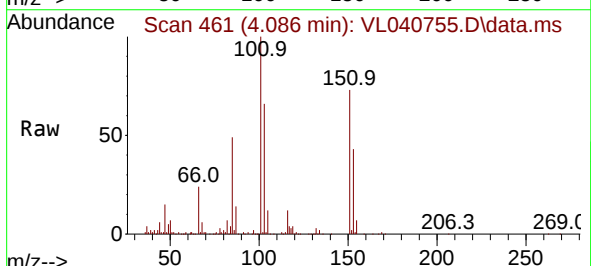
Manual Integrations
APPROVED

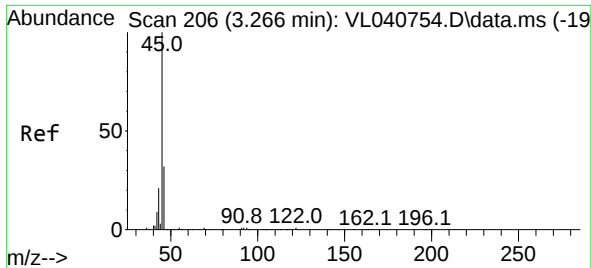
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.482 ppbv
RT: 4.086 min Scan# 461
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion:101 Resp: 234135
Ion Ratio Lower Upper
101 100
151 73.6 58.1 87.1





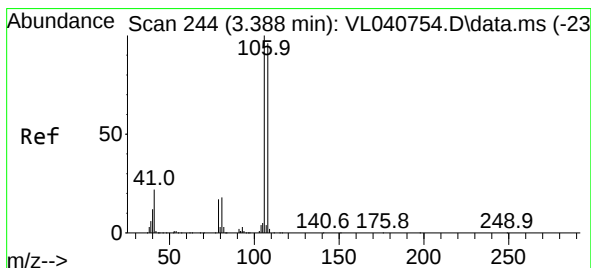
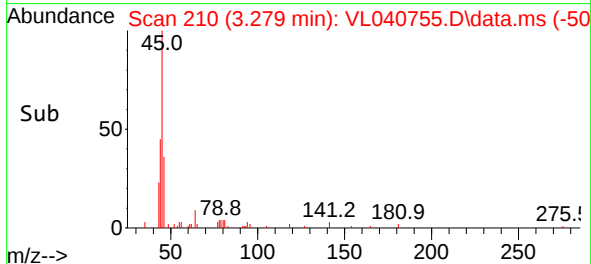
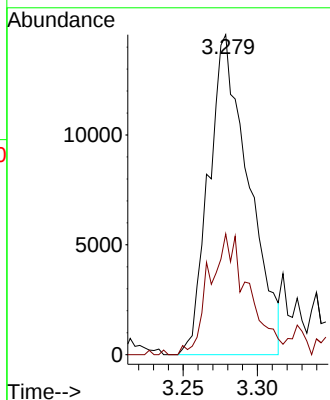
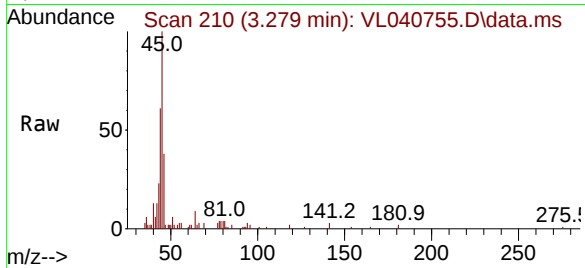
#13
Ethanol
Concen: 1.717 ppbv
RT: 3.279 min Scan# 210
Delta R.T. 0.013 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 2720
Ion Ratio Lower Upper
45 100
46 42.8 14.6 58.2

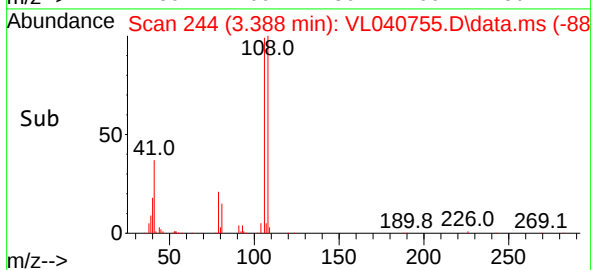
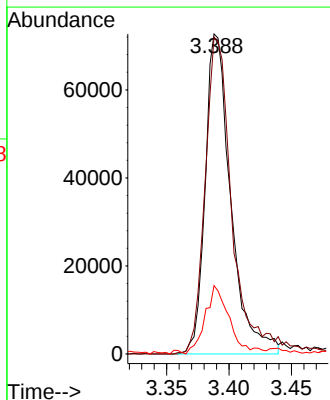
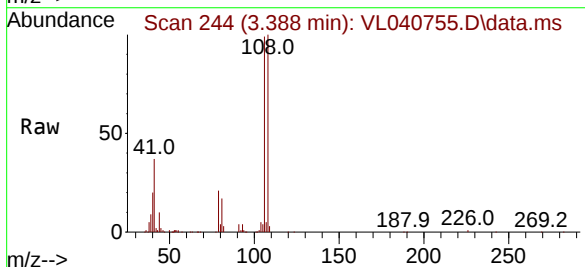
Manual Integrations
APPROVED

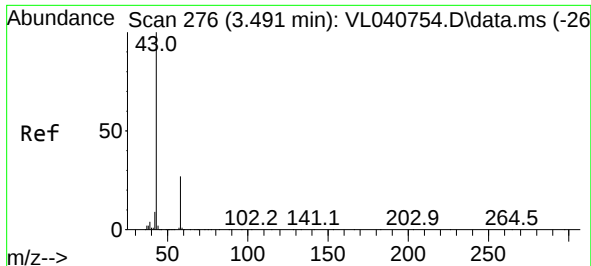
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#14
Bromoethene
Concen: 1.568 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

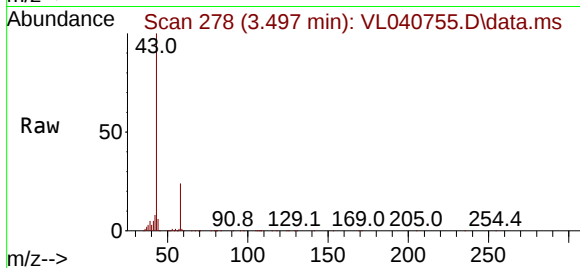
Tgt Ion:108 Resp: 103937
Ion Ratio Lower Upper
108 100
106 107.2 85.2 127.8
79 20.6 15.7 23.5





#15
Acetone
Concen: 1.787 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

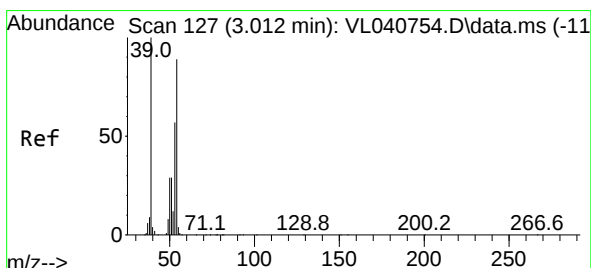
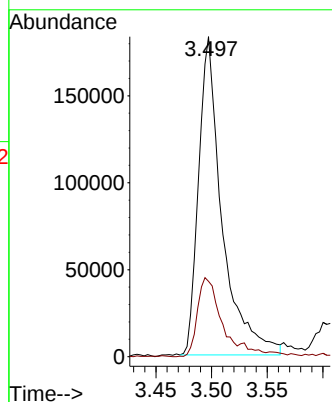
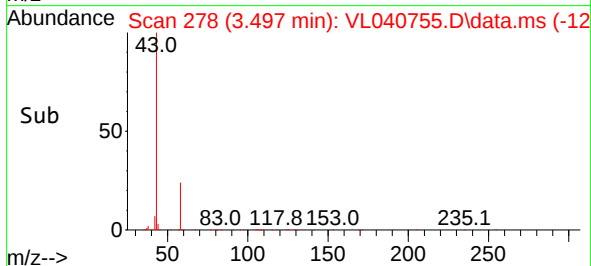
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 268749
Ion Ratio Lower Upper
43 100
58 27.1 21.6 32.4

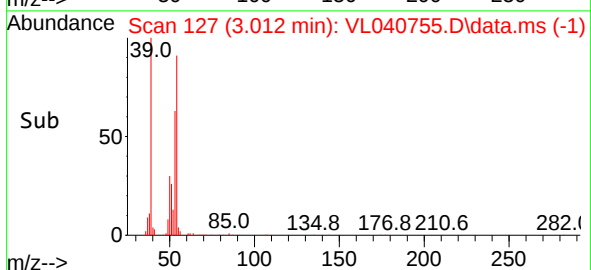
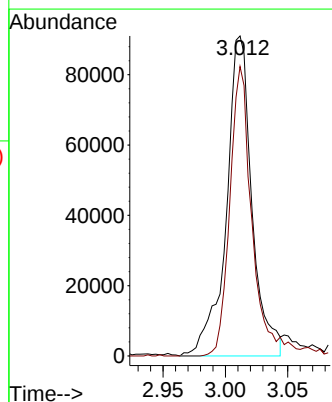
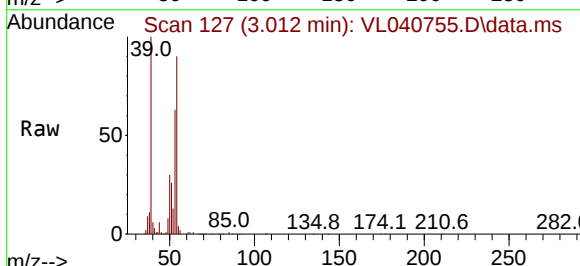
Manual Integrations
APPROVED

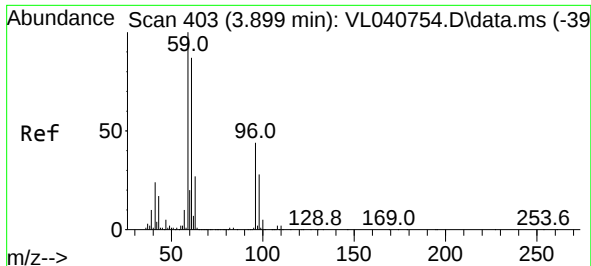
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#16
1,3-Butadiene
Concen: 1.998 ppbv
RT: 3.012 min Scan# 127
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion: 39 Resp: 130954
Ion Ratio Lower Upper
39 100
54 80.8 63.0 94.6





#17

tert-Butyl alcohol

Concen: 1.526 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.006 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 59 Resp: 23518

Ion Ratio Lower Upper

59 100

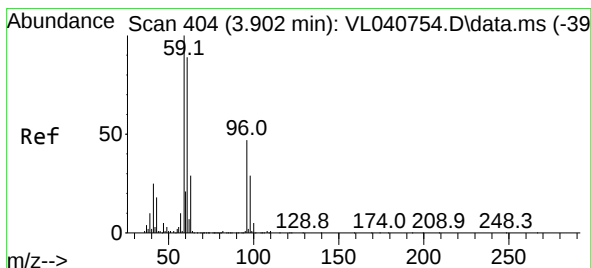
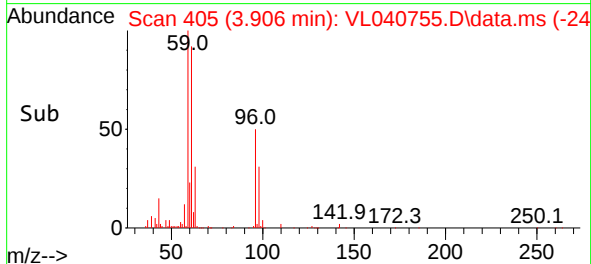
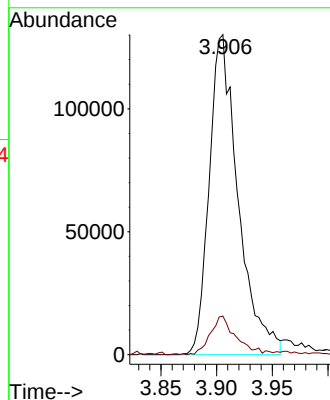
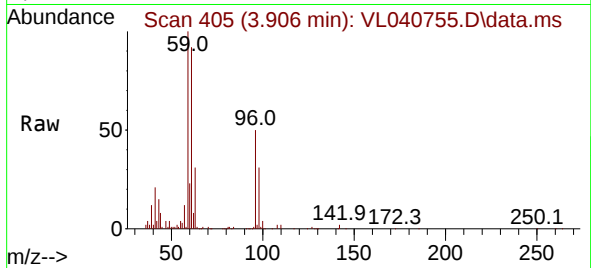
57 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#18

1,1-Dichloroethene

Concen: 1.520 ppbv

RT: 3.902 min Scan# 404

Delta R.T. -0.000 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

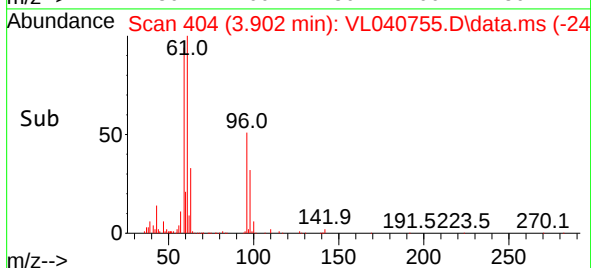
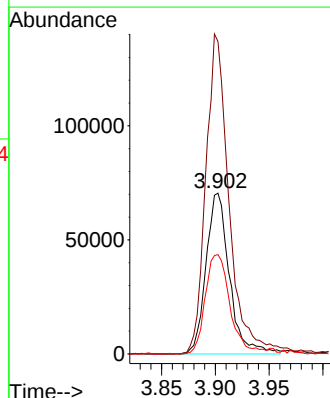
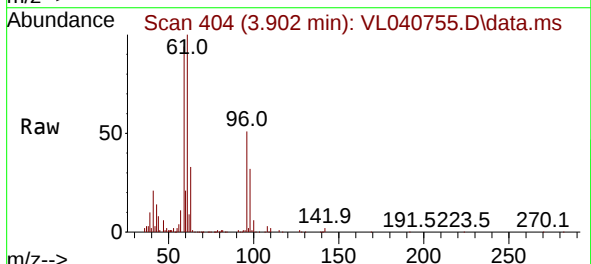
Tgt Ion: 96 Resp: 106768

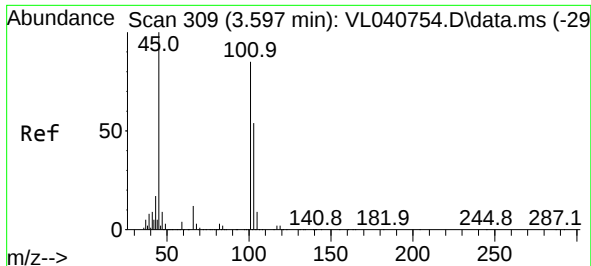
Ion Ratio Lower Upper

96 100

61 194.2 152.5 228.7

98 61.8 49.6 74.4





#19

Isopropyl Alcohol

Concen: 1.597 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.006 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 45 Resp: 144760

Ion Ratio Lower Upper

45 100

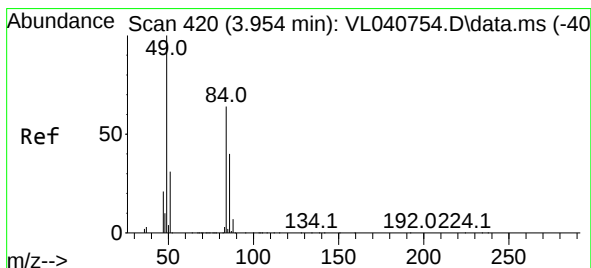
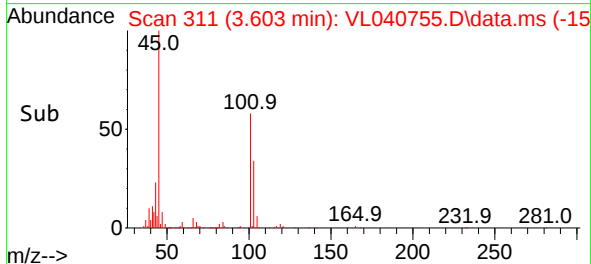
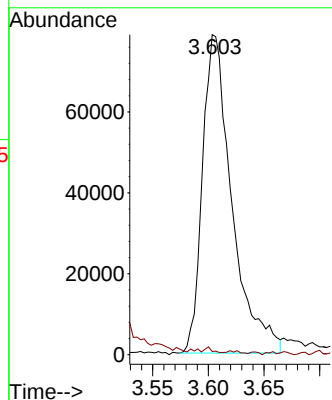
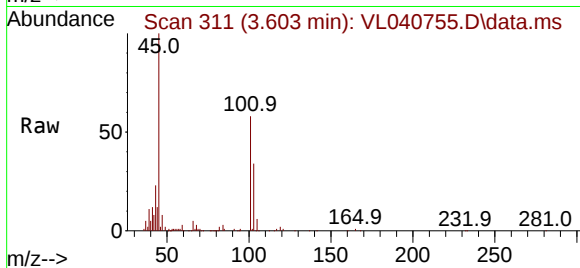
58 1.7 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#20

Methylene Chloride

Concen: 1.209 ppbv

RT: 3.954 min Scan# 420

Delta R.T. -0.000 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Tgt Ion: 84 Resp: 97863

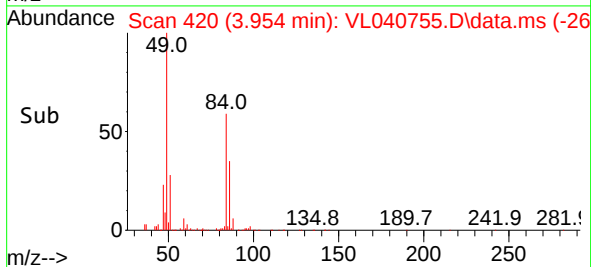
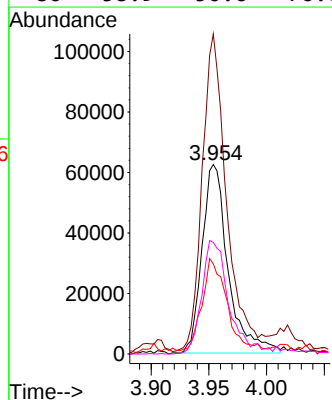
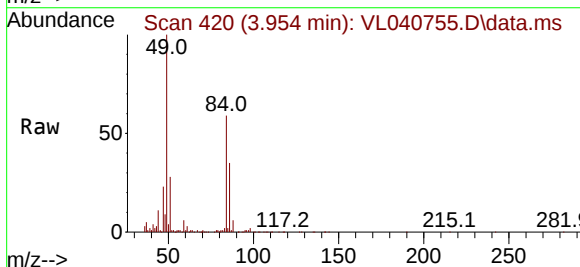
Ion Ratio Lower Upper

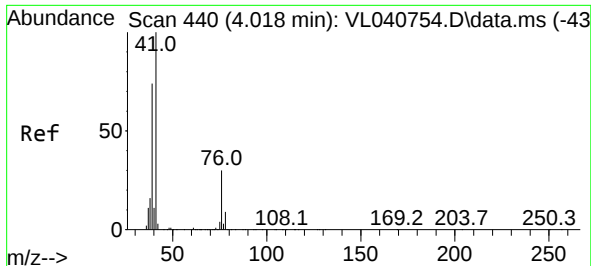
84 100

49 167.2 125.6 188.4

51 46.0 38.9 58.3

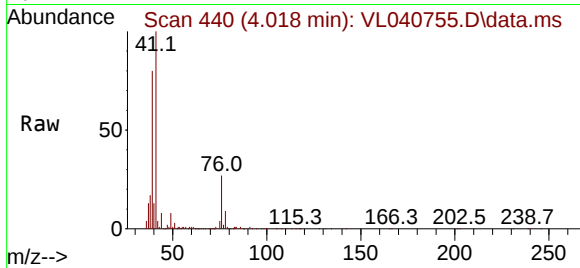
86 58.9 50.6 76.0





#21
 Allyl Chloride
 Concen: 1.746 ppbv
 RT: 4.018 min Scan# 440
 Delta R.T. 0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

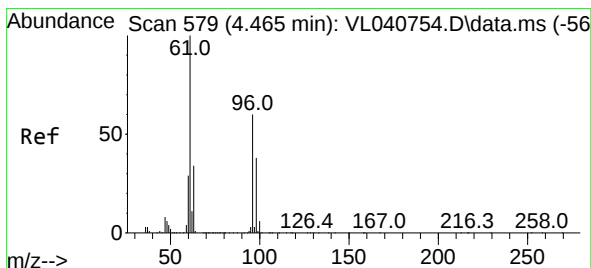
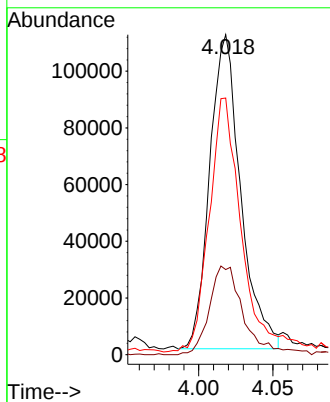
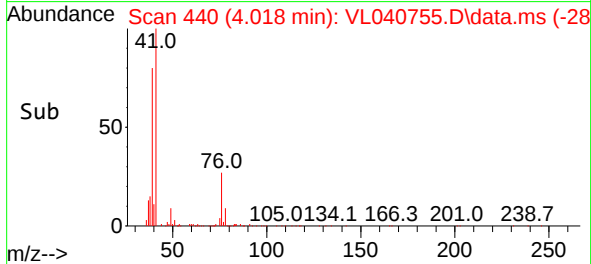
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



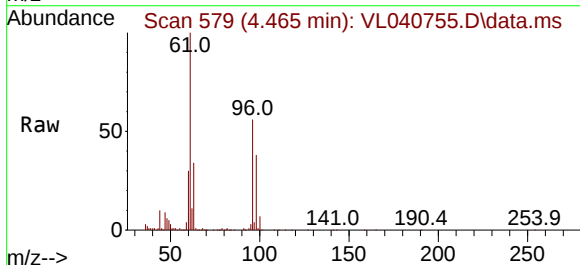
Tgt Ion: 41 Resp: 16096
 Ion Ratio Lower Upper
 41 100
 76 31.1 24.1 36.1
 39 89.6 63.8 95.6

Manual Integrations
 APPROVED

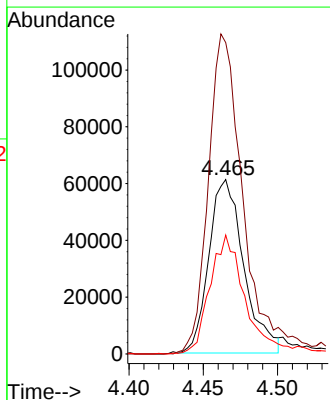
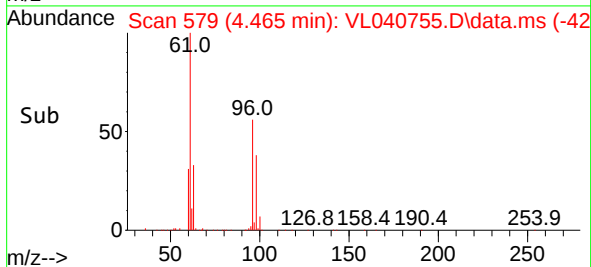
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

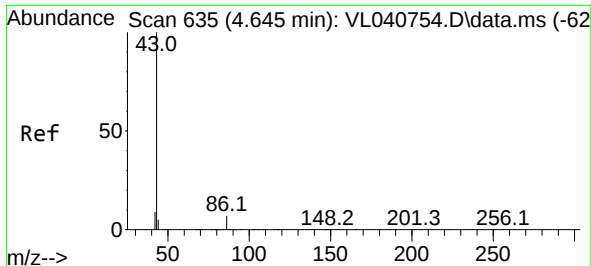


#22
 trans-1,2-Dichloroethene
 Concen: 1.444 ppbv
 RT: 4.465 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41



Tgt Ion: 96 Resp: 100285
 Ion Ratio Lower Upper
 96 100
 61 178.2 134.0 201.0
 98 68.1 51.0 76.4





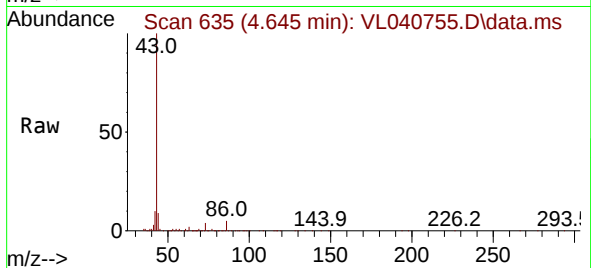
#23
 Vinyl Acetate
 Concen: 1.812 ppbv
 RT: 4.645 min Scan# 614
 Delta R.T. 0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

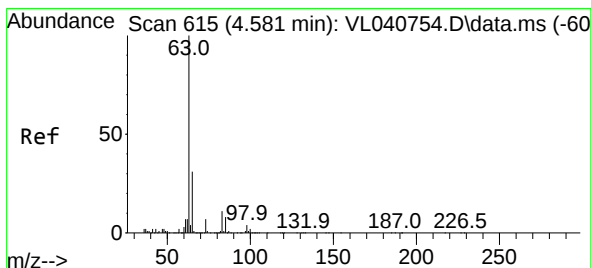
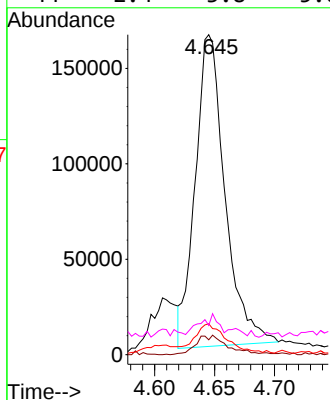
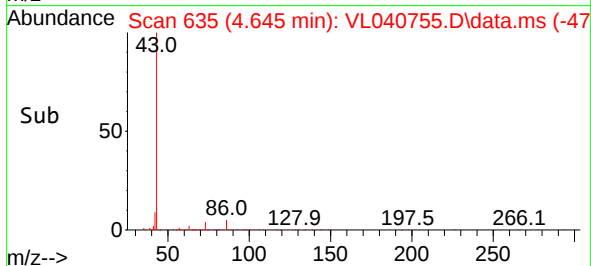


Tgt Ion: 43 Resp: 28188
 Ion Ratio Lower Upper
 43 100
 86 4.4 4.9 7.3
 42 9.1 7.8 11.6
 44 2.4 3.8 5.6#

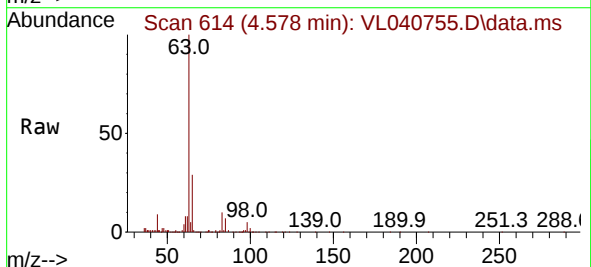
Manual Integrations

APPROVED

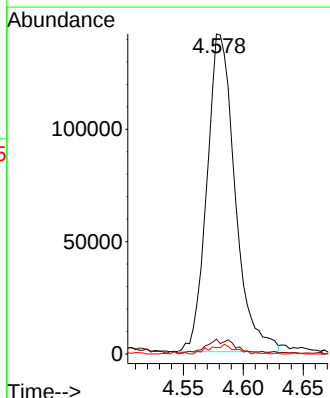
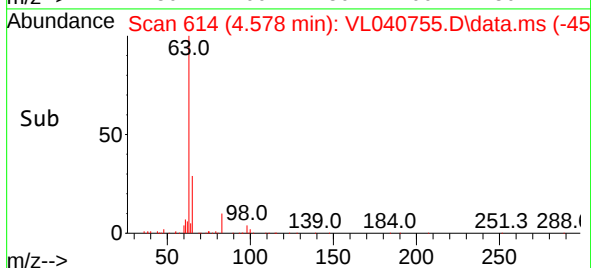
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

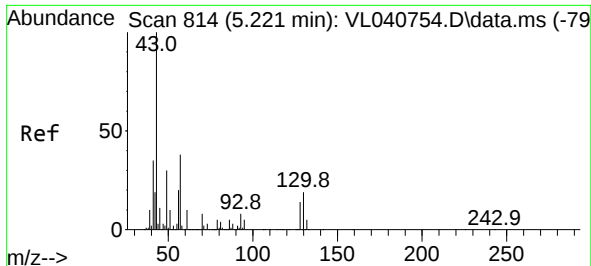


#24
 1,1-Dichloroethane
 Concen: 1.583 ppbv
 RT: 4.578 min Scan# 614
 Delta R.T. -0.003 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41



Tgt Ion: 63 Resp: 230468
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.0 5.8
 100 2.0 1.3 3.8





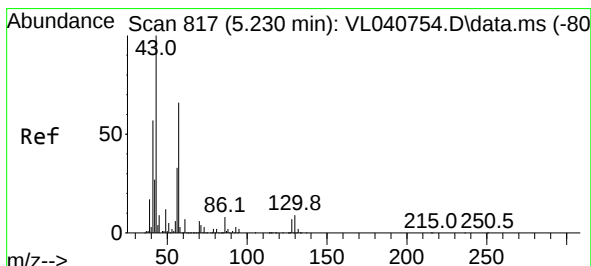
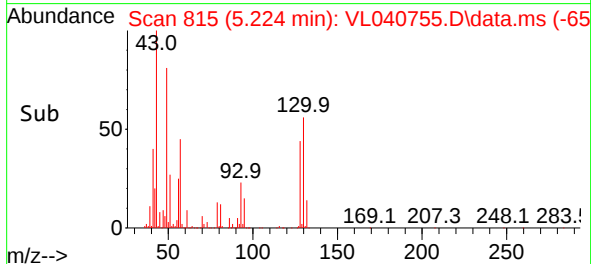
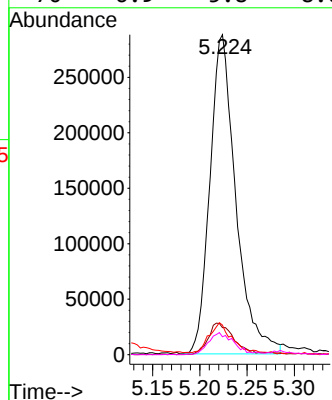
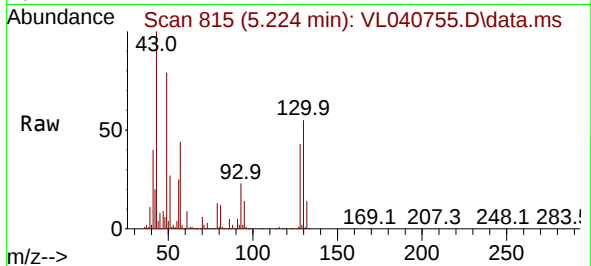
#25
Ethyl Acetate
Concen: 2.261 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 548390
Ion Ratio Lower Upper
43 100
45 10.5 8.2 12.4
61 10.4 8.2 12.2
70 6.9 5.8 8.6

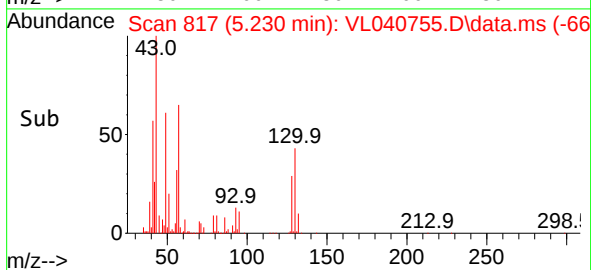
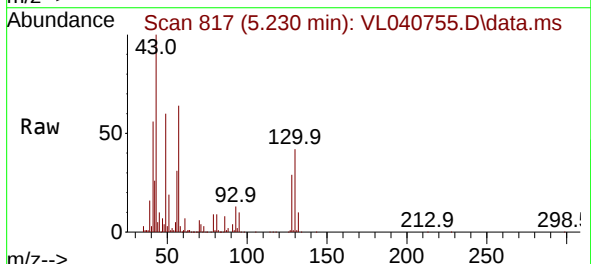
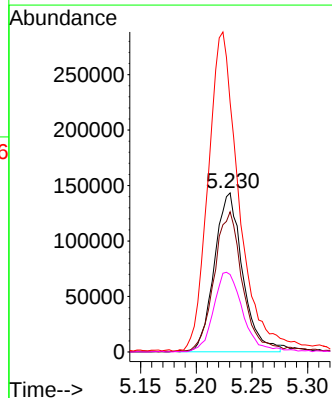
Manual Integrations
APPROVED

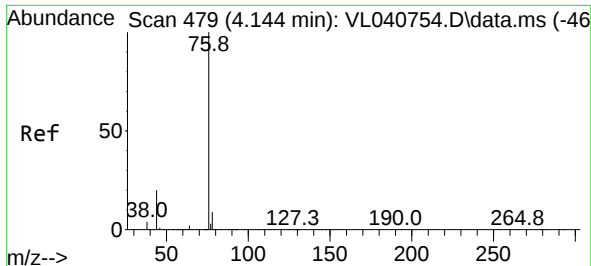
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#26
Hexane
Concen: 2.202 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

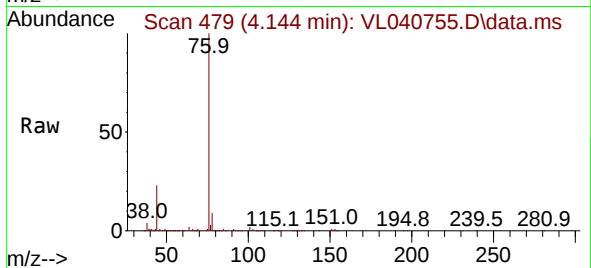
Tgt Ion: 57 Resp: 252557
Ion Ratio Lower Upper
57 100
41 91.3 71.4 107.2
43 224.8 182.3 273.5
56 53.0 42.0 63.0





#27
Carbon Disulfide
Concen: 1.737 ppbv
RT: 4.144 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

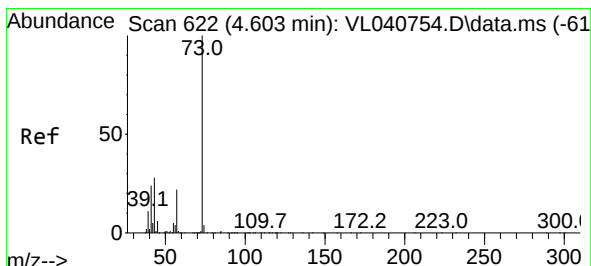
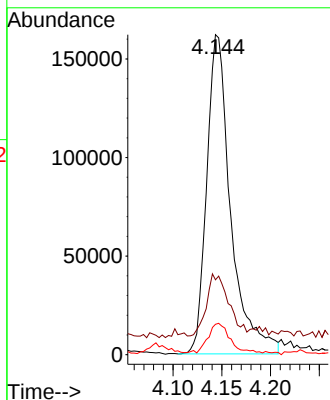
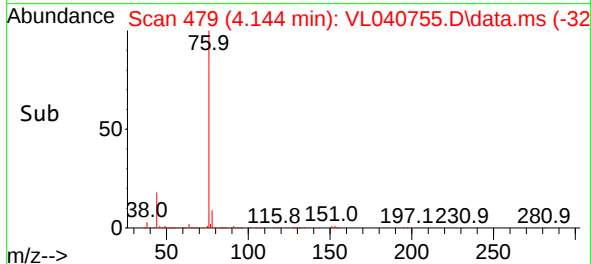
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



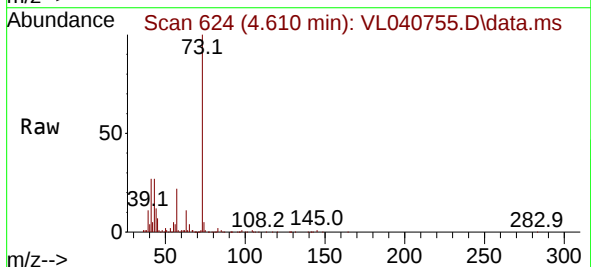
Tgt Ion: 76 Resp: 277812
Ion Ratio Lower Upper
76 100
44 26.8 16.6 25.0
78 10.3 7.8 11.6

Manual Integrations
APPROVED

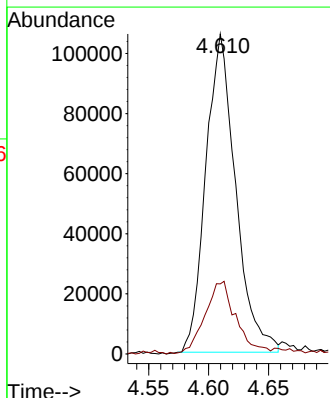
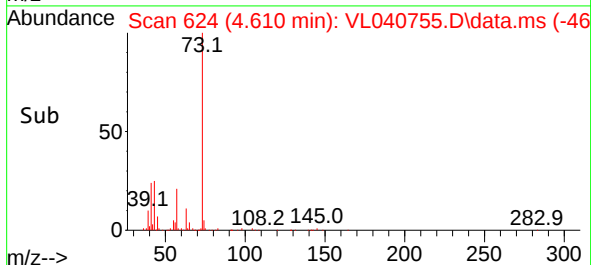
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

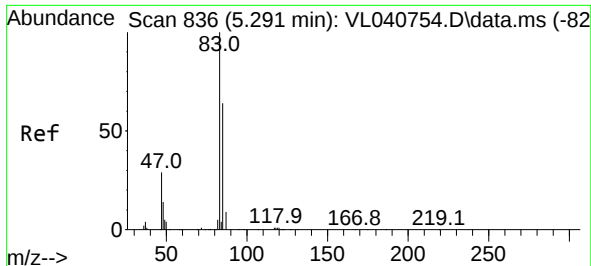


#28
Methyl tert-Butyl Ether
Concen: 1.858 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.006 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



Tgt Ion: 73 Resp: 183379
Ion Ratio Lower Upper
73 100
57 25.2 18.9 28.3





#29

Chloroform

Concen: 1.825 ppbv

RT: 5.288 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 361434

Ion Ratio Lower Upper

83 100

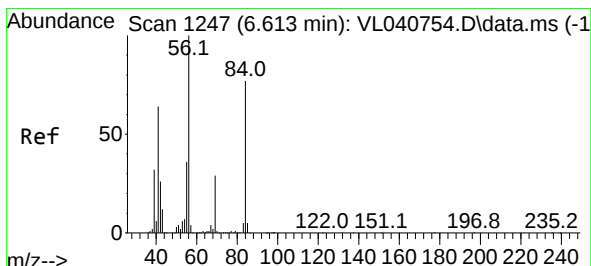
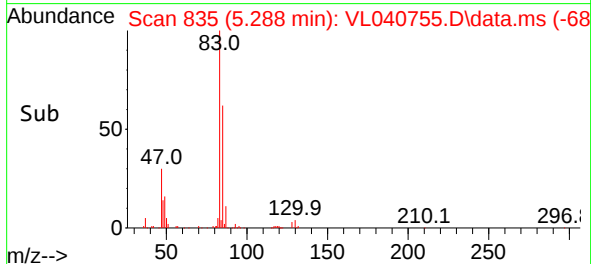
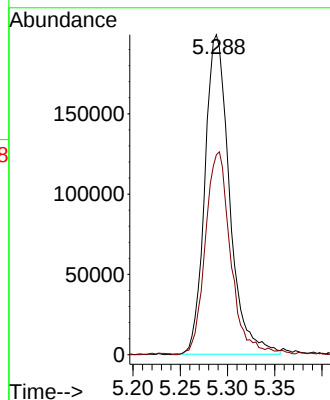
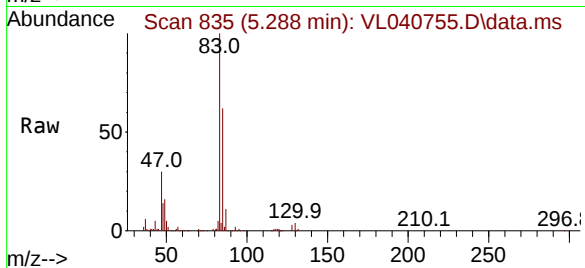
85 62.4 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#30

Cyclohexane

Concen: 2.385 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

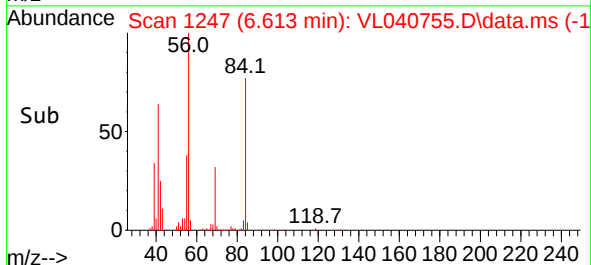
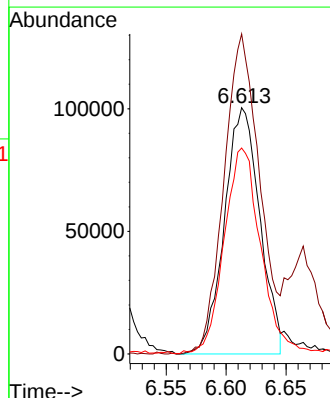
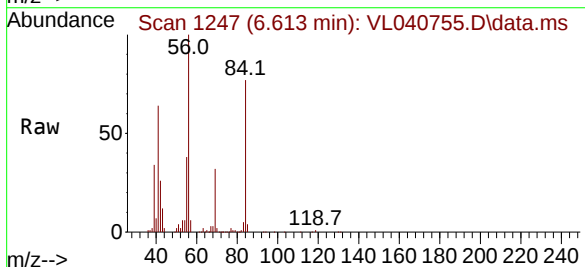
Tgt Ion: 84 Resp: 206031

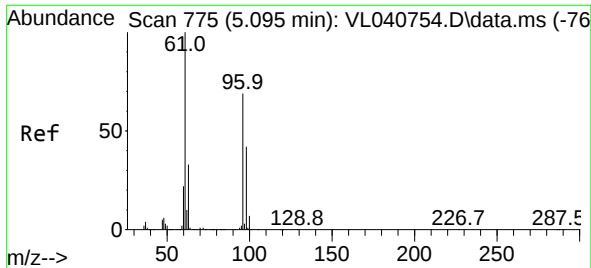
Ion Ratio Lower Upper

84 100

56 137.1 110.3 165.5

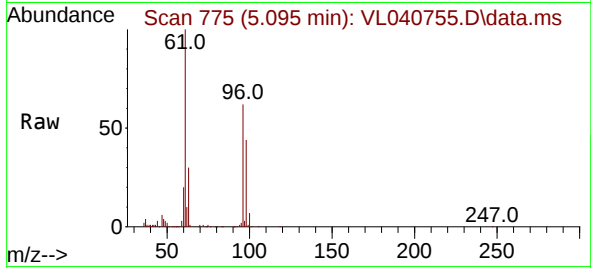
41 86.2 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 2.162 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

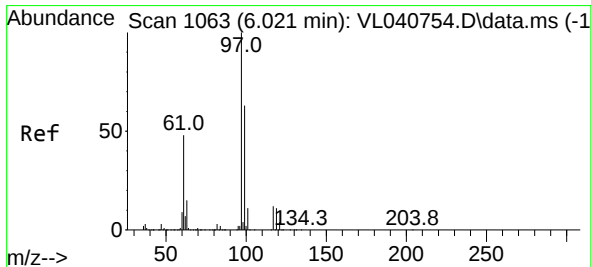
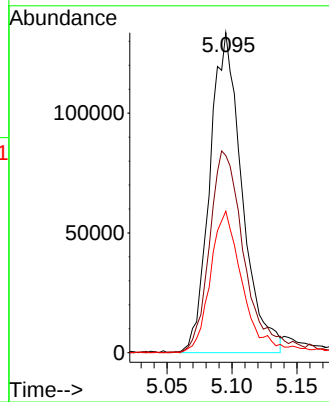
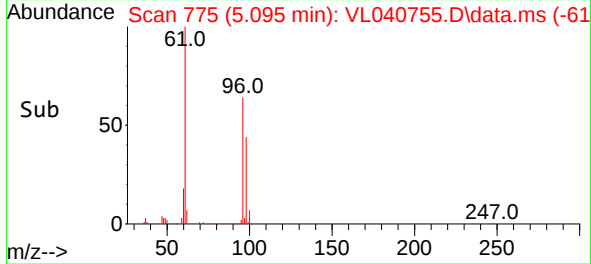
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 61 Resp: 230034
 Ion Ratio Lower Upper
 61 100
 96 61.2 55.1 82.7
 98 44.2 33.5 50.3

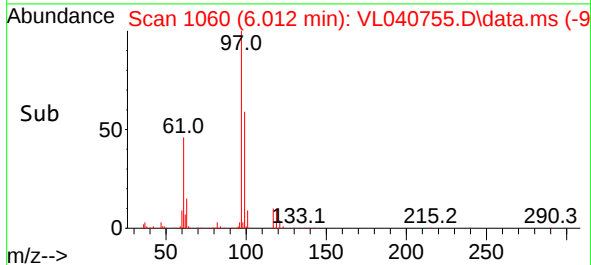
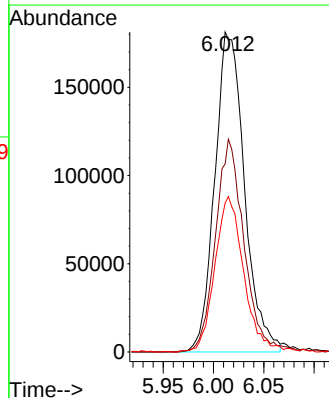
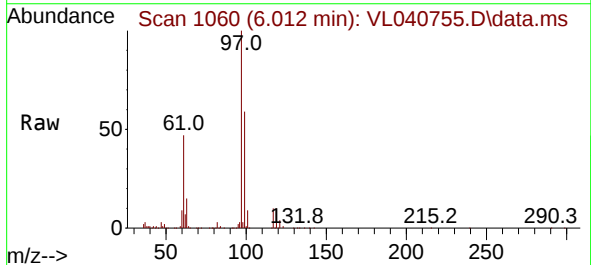
Manual Integrations
 APPROVED

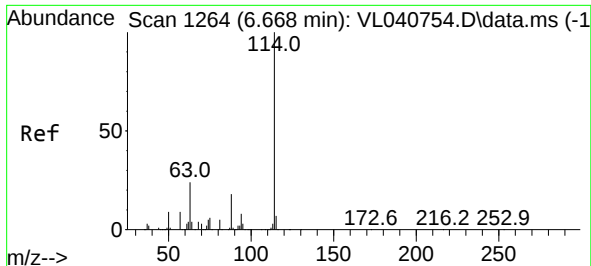
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#32
 1,1,1-Trichloroethane
 Concen: 1.835 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. -0.010 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

Tgt Ion: 97 Resp: 371591
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.8 77.6
 61 48.0 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:114 Resp: 317115

Ion Ratio Lower Upper

114 100

63 24.1 19.8 29.6

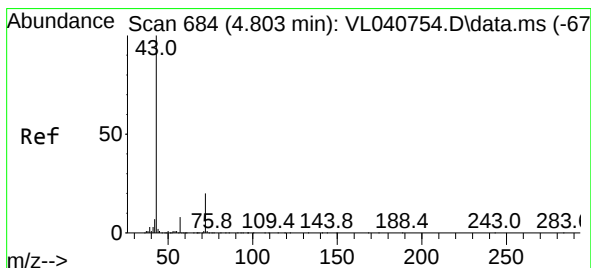
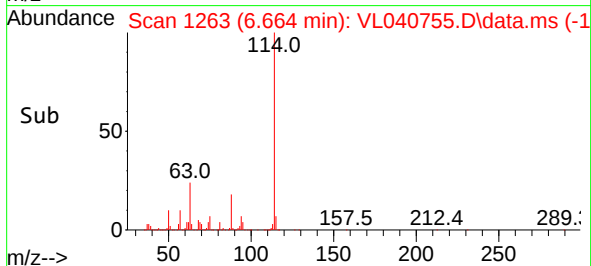
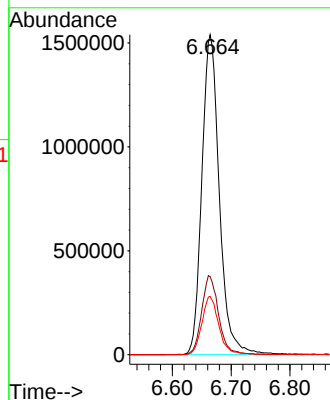
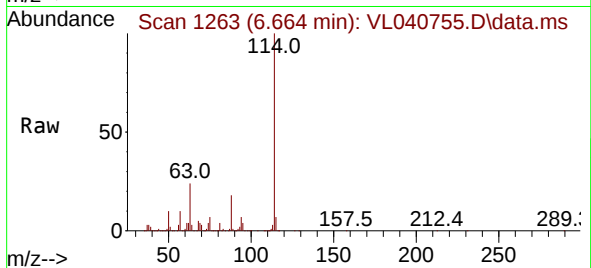
88 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#34

2-Butanone

Concen: 1.918 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.006 min

Lab File: VL040755.D

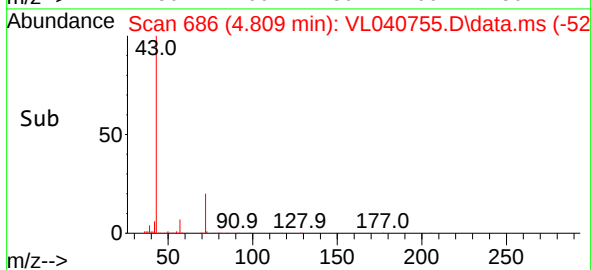
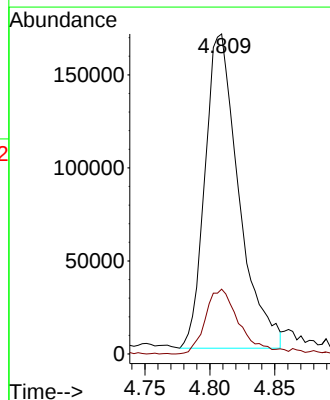
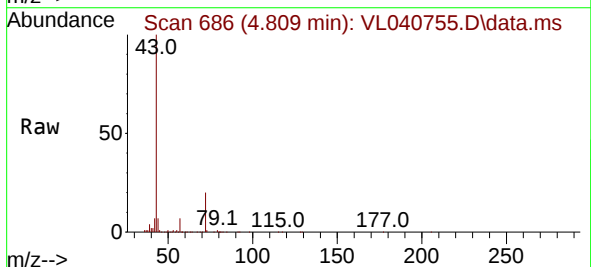
Acq: 11 Oct 2023 12:41

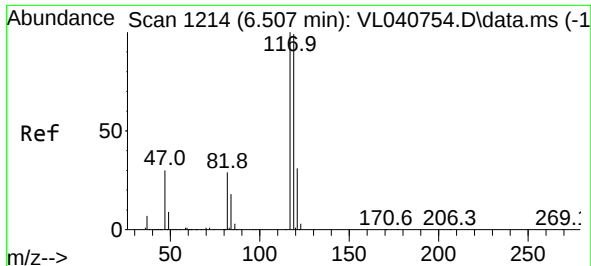
Tgt Ion: 43 Resp: 305925

Ion Ratio Lower Upper

43 100

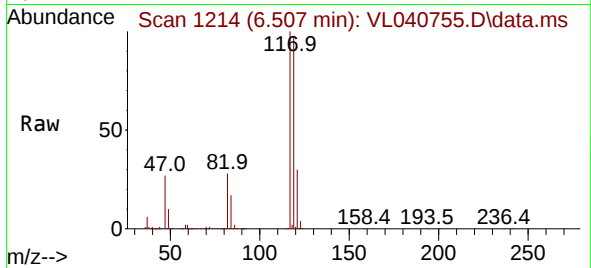
72 22.4 16.8 25.2





#35
Carbon Tetrachloride
Concen: 1.703 ppbv
RT: 6.507 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

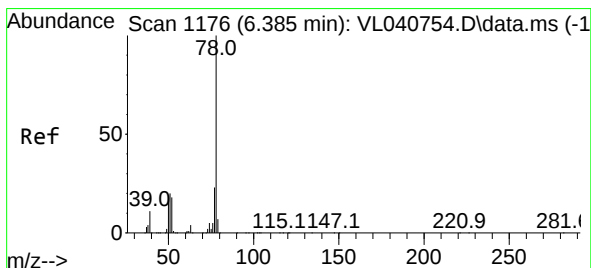
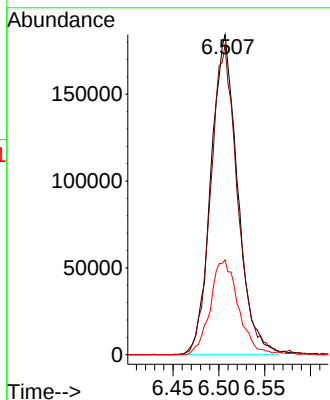
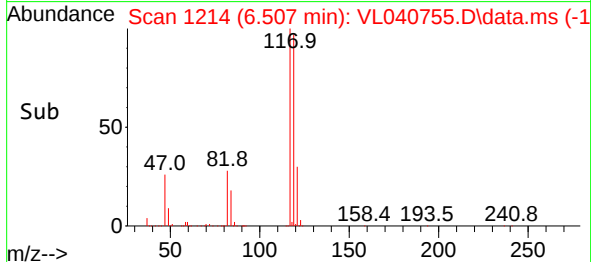
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



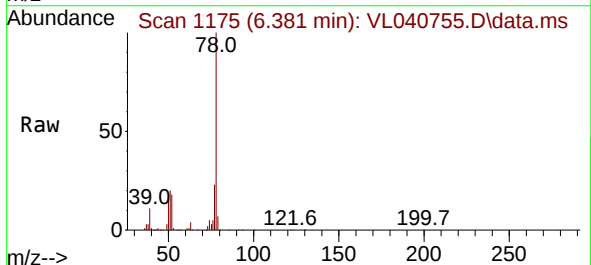
Tgt Ion: 117 Resp: 370859
Ion Ratio Lower Upper
117 100
119 96.9 79.4 119.0
121 29.7 25.0 37.4

Manual Integrations
APPROVED

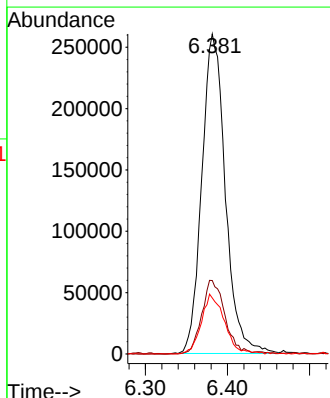
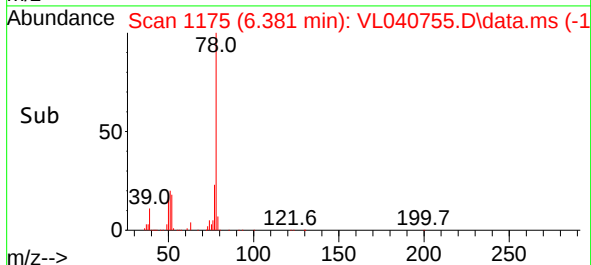
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

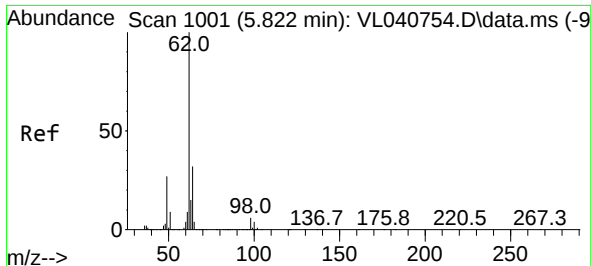


#36
Benzene
Concen: 2.210 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



Tgt Ion: 78 Resp: 518992
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
50 17.4 15.0 22.4





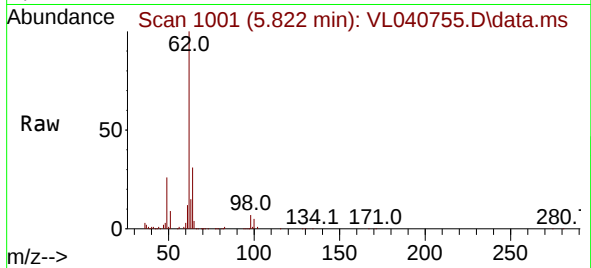
#37
1,2-Dichloroethane
Concen: 1.615 ppbv
RT: 5.822 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

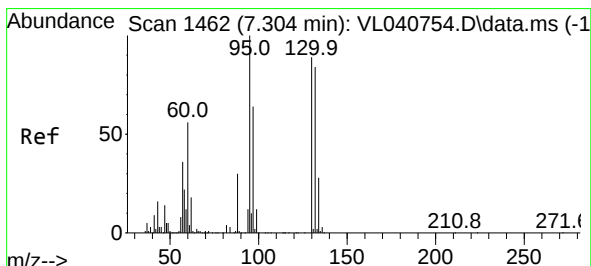
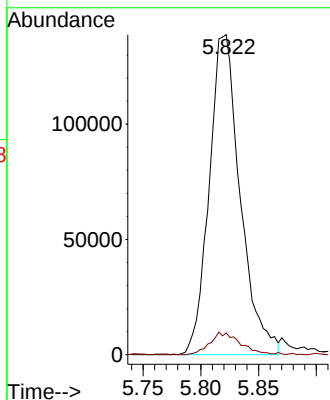
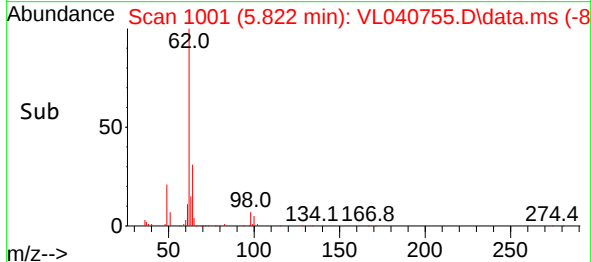


Tgt Ion: 62 Resp: 25952
Ion Ratio Lower Upper
62 100
98 7.0 5.4 8.0

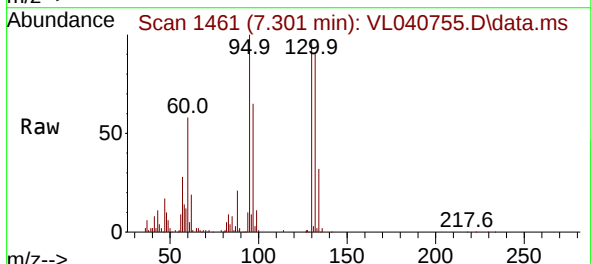
Manual Integrations

APPROVED

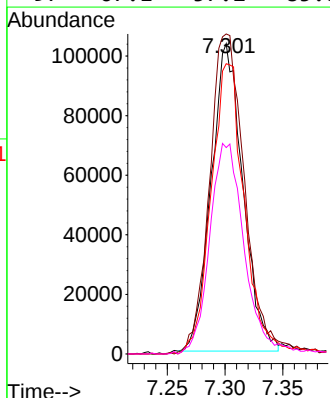
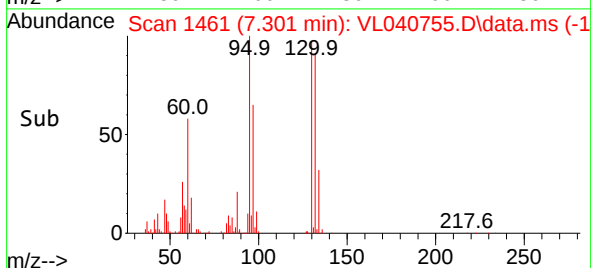
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

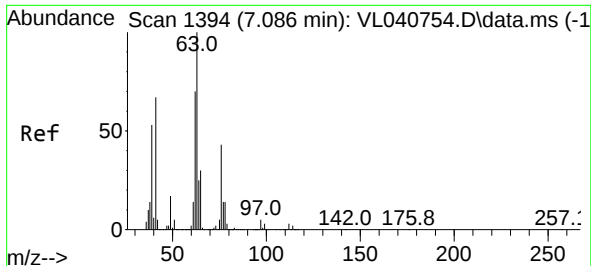


#38
Trichloroethene
Concen: 2.206 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



Tgt Ion:130 Resp: 197535
Ion Ratio Lower Upper
130 100
95 103.4 89.4 134.2
132 94.1 74.8 112.2
97 67.1 57.2 85.8





#39

1,2-Dichloropropane

Concen: 2.203 ppbv

RT: 7.082 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

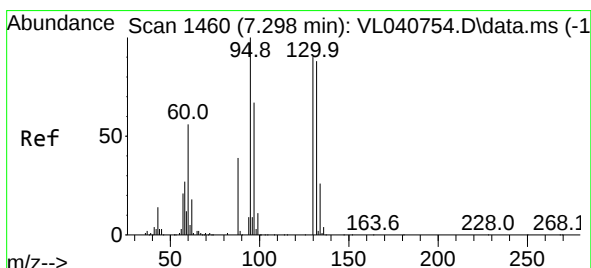
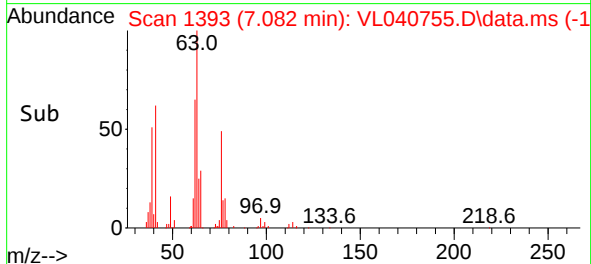
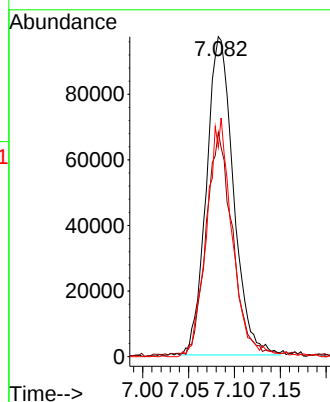
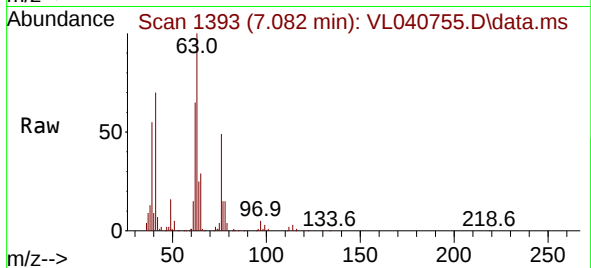
Tgt Ion: 63 Resp: 199150

Ion	Ratio	Lower	Upper
63	100		
41	69.5	53.7	80.5
62	65.5	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: 2.072 ppbv

RT: 7.311 min Scan# 1464

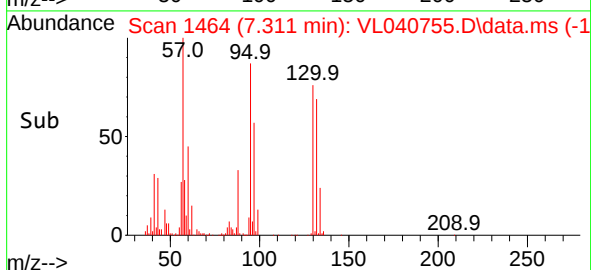
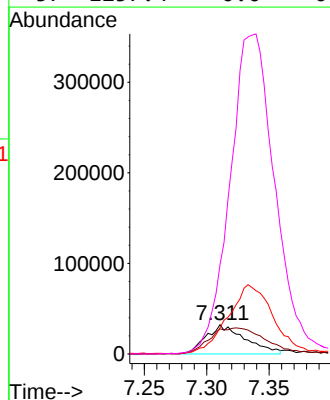
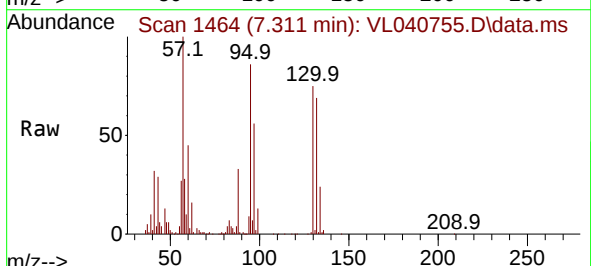
Delta R.T. 0.013 min

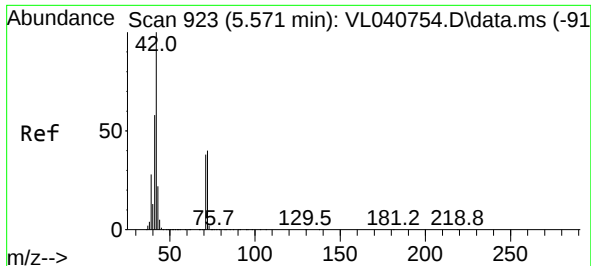
Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Tgt Ion: 88 Resp: 70809

Ion	Ratio	Lower	Upper
88	100		
58	130.9	100.0	150.0
43	269.9	0.0	0.0#
57	1257.4	0.0	0.0#





#41

Tetrahydrofuran

Concen: 2.608 ppbv

RT: 5.581 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 42 Resp: 21330

Ion Ratio Lower Upper

42 100

72 38.5 31.1 46.7

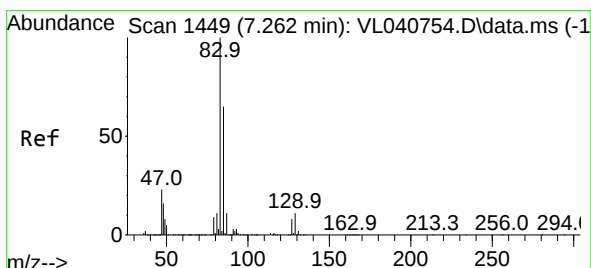
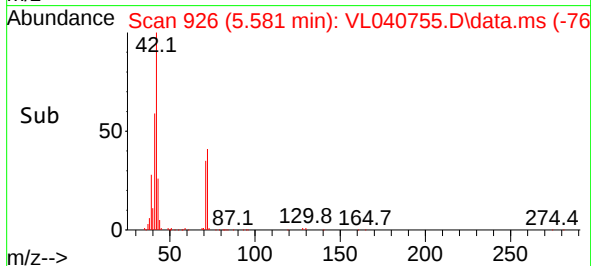
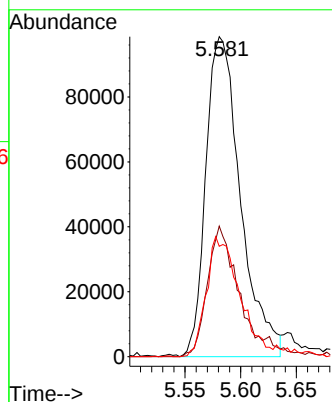
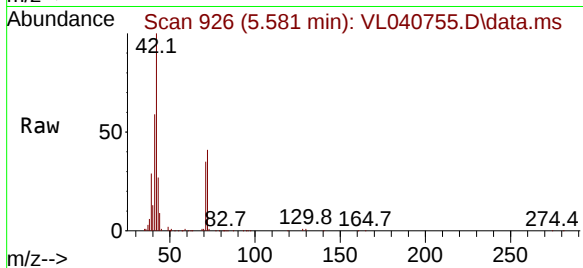
71 37.9 29.7 44.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#42

Bromodichloromethane

Concen: 1.826 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

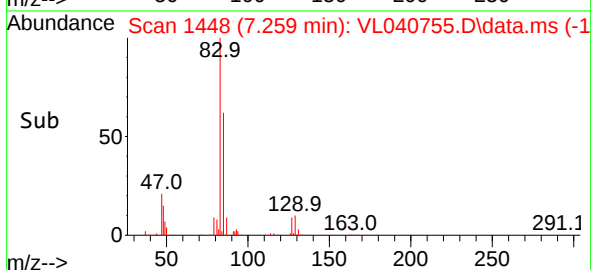
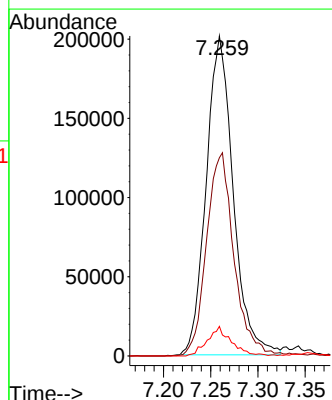
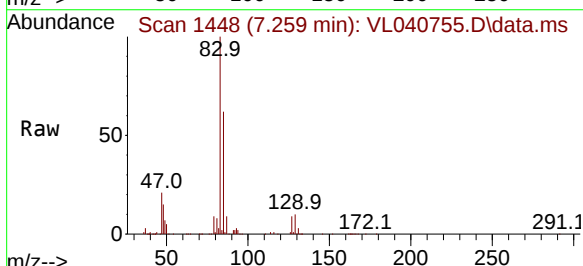
Tgt Ion: 83 Resp: 400497

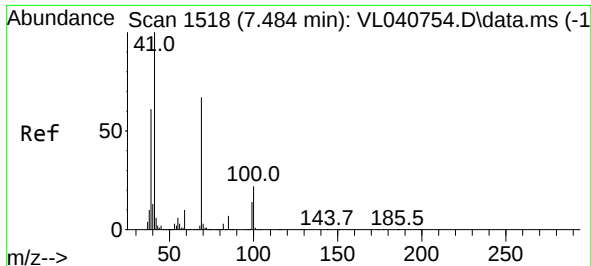
Ion Ratio Lower Upper

83 100

85 61.9 52.1 78.1

127 9.3 6.7 10.1





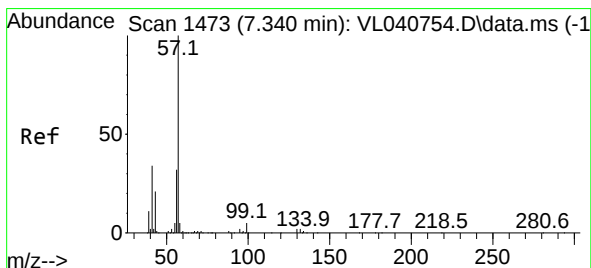
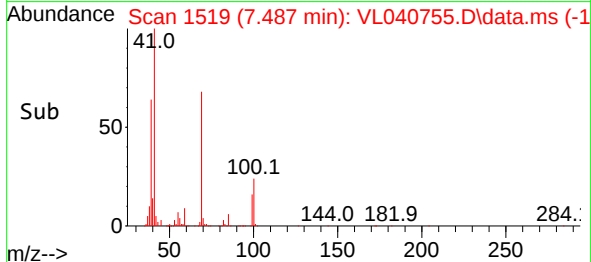
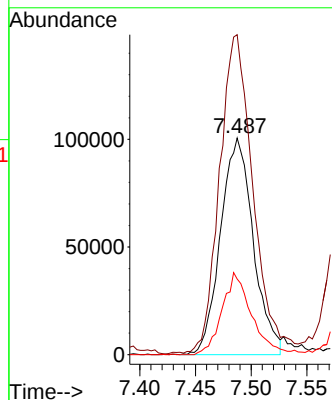
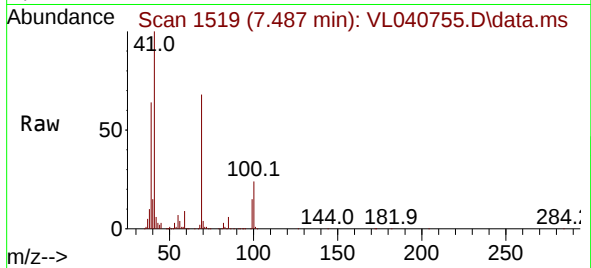
#43
Methyl Methacrylate
Concen: 2.361 ppbv
RT: 7.487 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 69 Resp: 206110
Ion Ratio Lower Upper
69 100
41 150.4 120.6 181.0
100 34.5 27.1 40.7

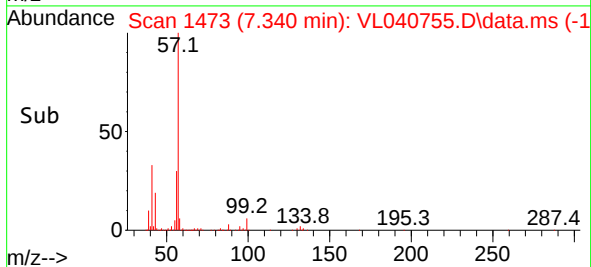
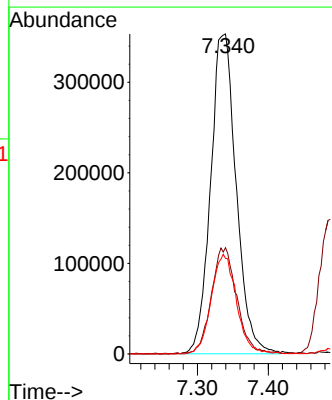
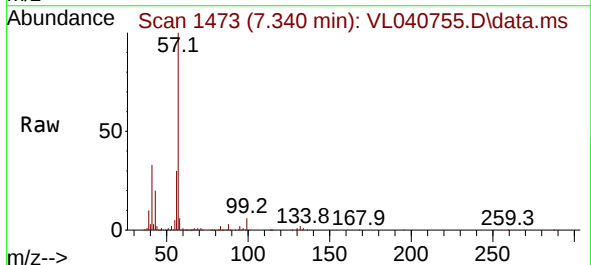
Manual Integrations
APPROVED

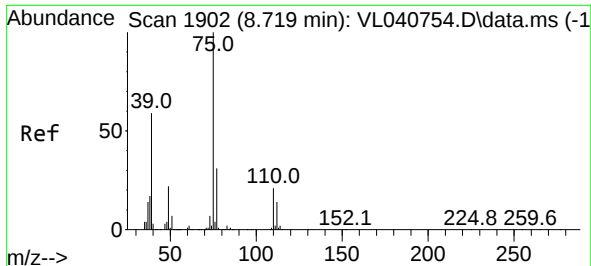
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#44
2,2,4-Trimethylpentane
Concen: 2.371 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion: 57 Resp: 886436
Ion Ratio Lower Upper
57 100
41 33.1 27.4 41.0
56 30.9 25.0 37.6





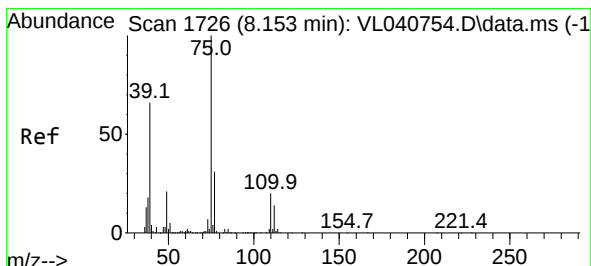
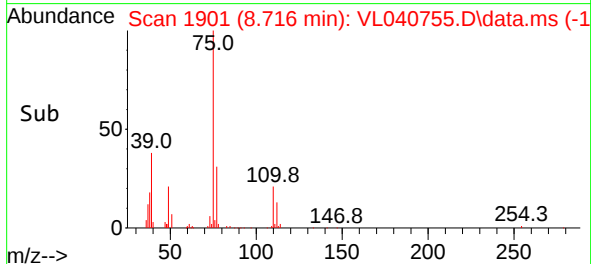
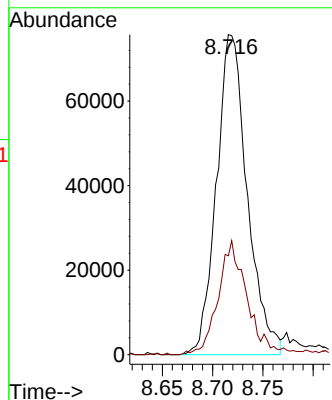
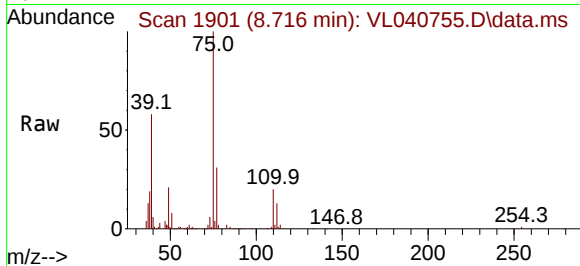
#45
t-1,3-Dichloropropene
Concen: 2.383 ppbv
RT: 8.716 min Scan# 1902
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 161260
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3

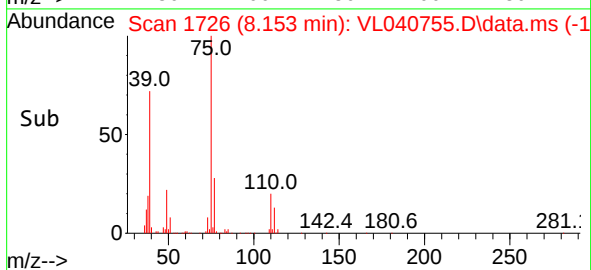
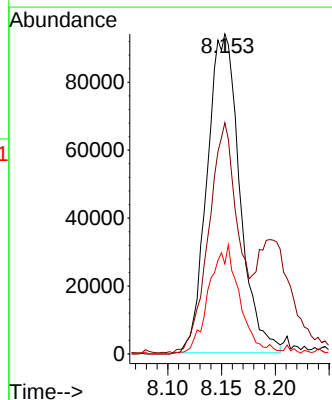
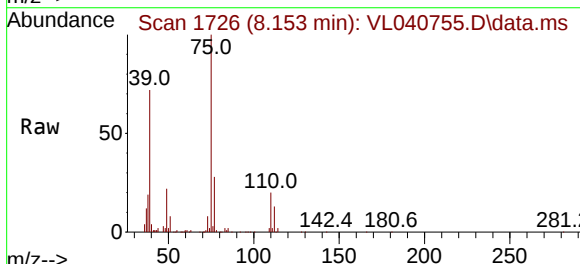
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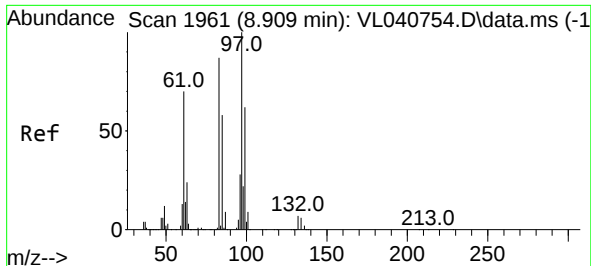
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#46
cis-1,3-Dichloropropene
Concen: 2.397 ppbv
RT: 8.153 min Scan# 1726
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion: 75 Resp: 198461
Ion Ratio Lower Upper
75 100
39 71.1 52.4 78.6
77 27.6 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 2.034 ppbv

RT: 8.909 min Scan# 1961

Delta R.T. -0.000 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 21100

Ion Ratio Lower Upper

97 100

83 81.7 69.5 104.3

85 60.1 46.6 69.8

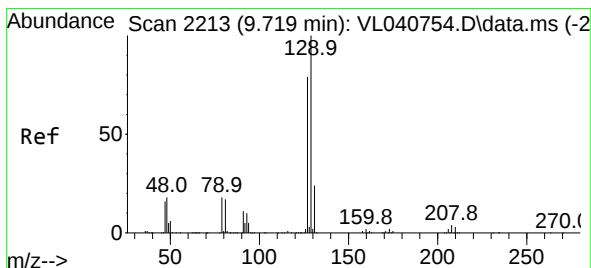
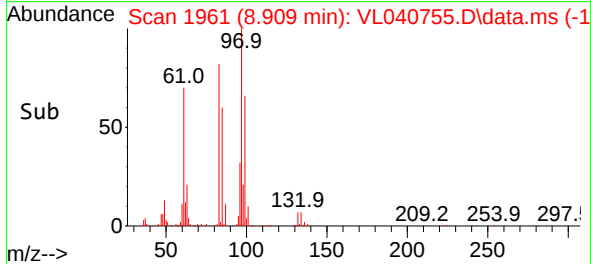
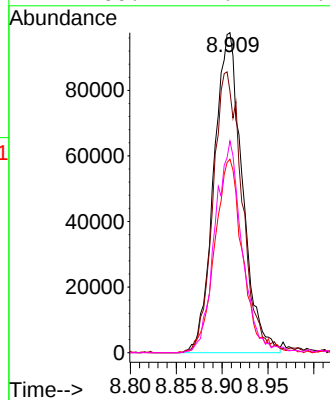
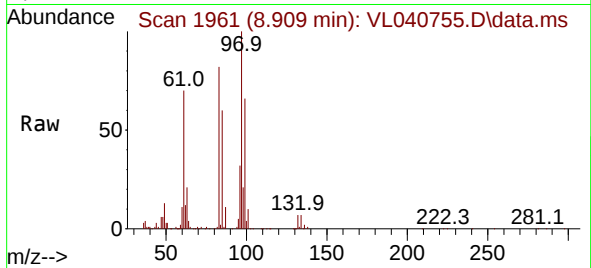
99 66.2 49.4 74.0

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#48

Dibromochloromethane

Concen: 2.077 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VL040755.D

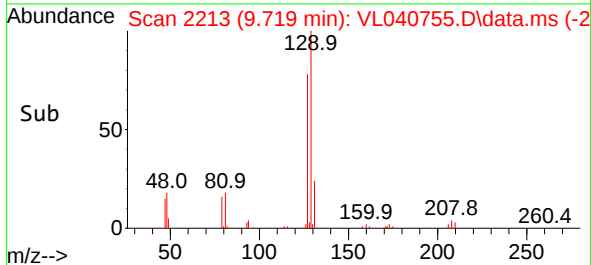
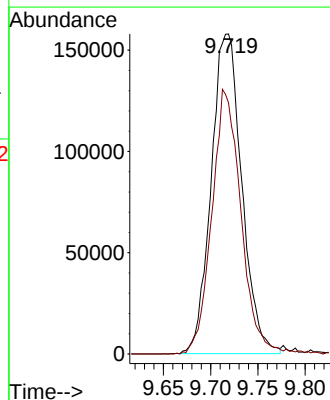
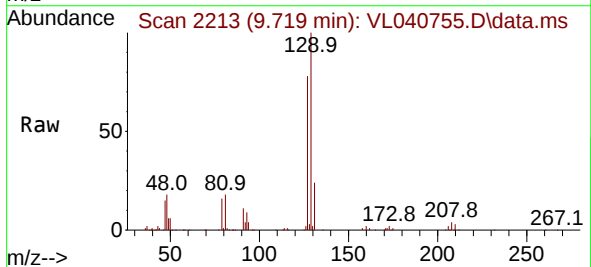
Acq: 11 Oct 2023 12:41

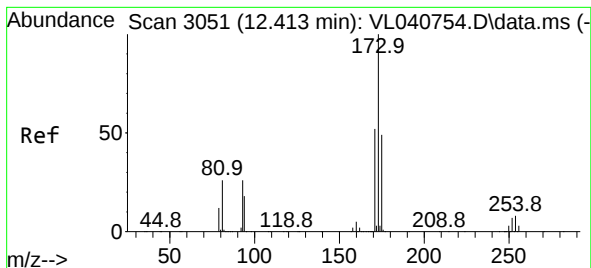
Tgt Ion:129 Resp: 355382

Ion Ratio Lower Upper

129 100

127 79.1 39.1 117.3





#49

Bromoform

Concen: 2.161 ppbv

RT: 12.410 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:173 Resp: 30376

Ion Ratio Lower Upper

173 100

175 49.7 39.2 58.8

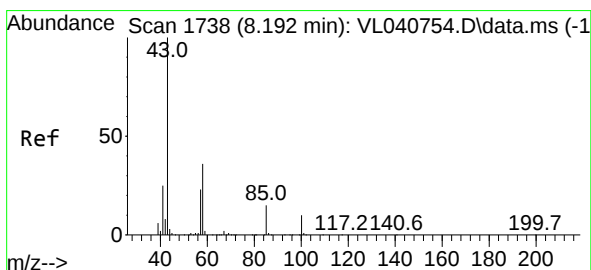
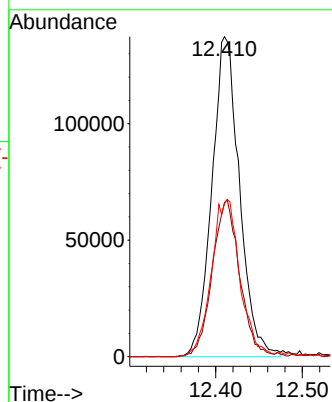
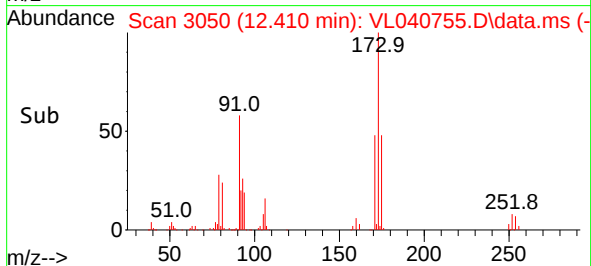
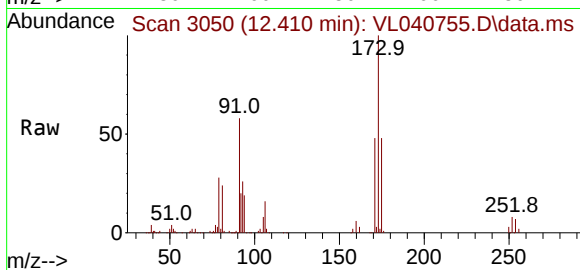
171 51.8 42.0 63.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#50

4-Methyl-2-Pentanone

Concen: 2.486 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.003 min

Lab File: VL040755.D

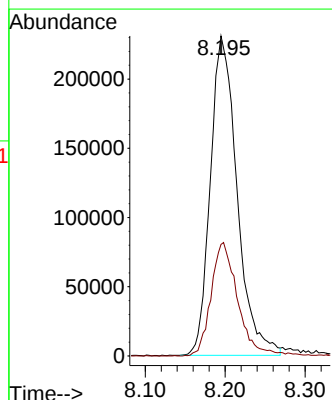
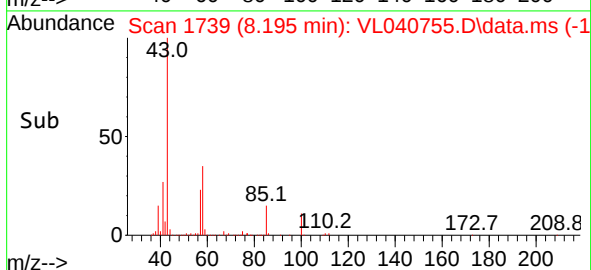
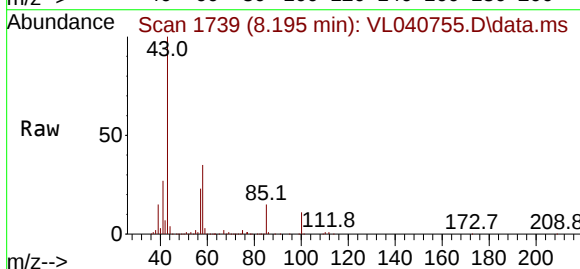
Acq: 11 Oct 2023 12:41

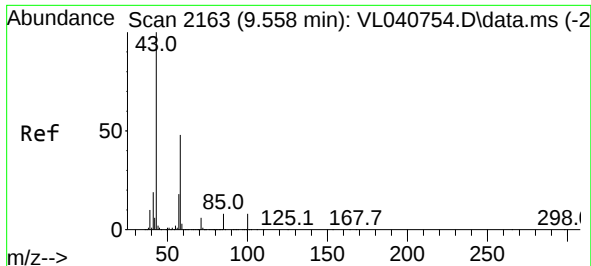
Tgt Ion: 43 Resp: 535695

Ion Ratio Lower Upper

43 100

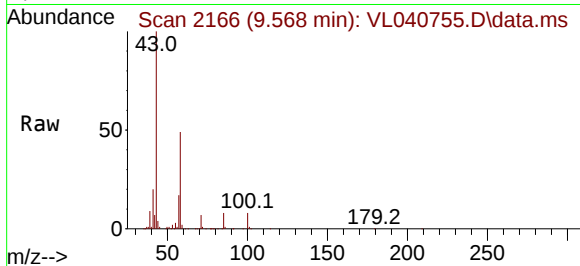
58 35.8 28.8 43.2





#51
2-Hexanone
Concen: 2.567 ppbv
RT: 9.568 min Scan# 2163
Delta R.T. 0.010 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

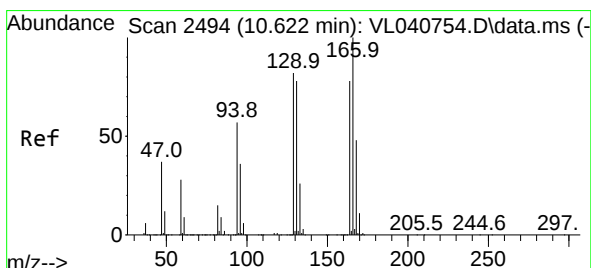
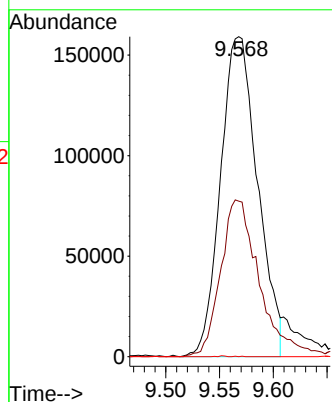
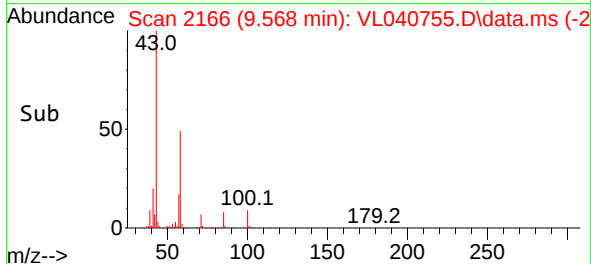
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 381820
Ion Ratio Lower Upper
43 100
58 53.3 38.6 58.0
98 0.1 0.0 0.0

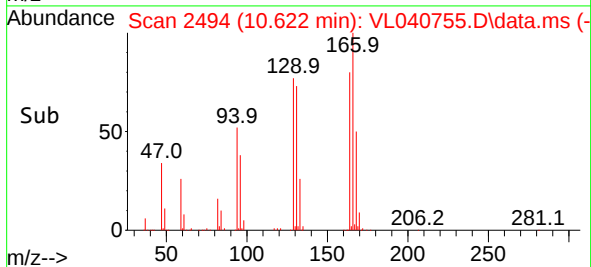
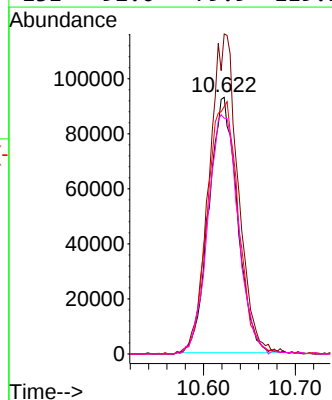
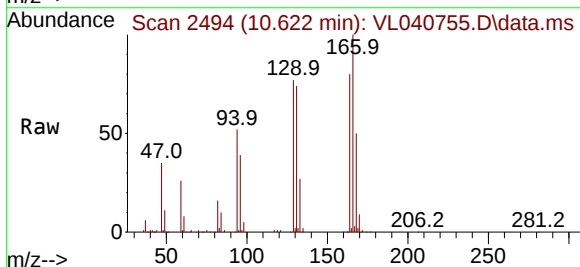
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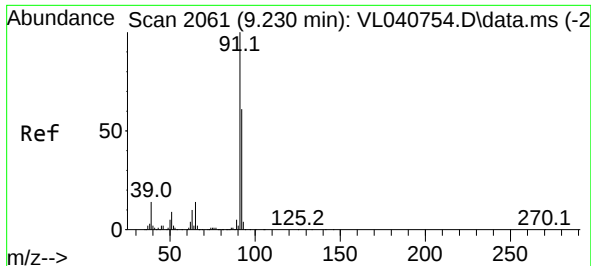
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#52
Tetrachloroethene
Concen: 2.619 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

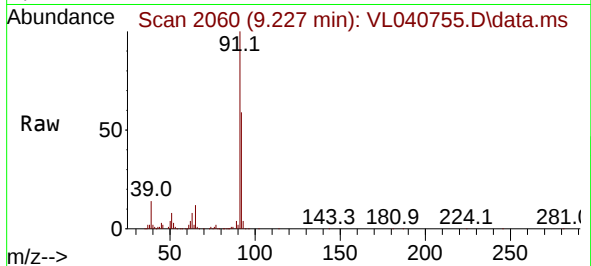
Tgt Ion:164 Resp: 200583
Ion Ratio Lower Upper
164 100
166 124.7 102.4 153.6
129 96.2 84.2 126.4
131 92.0 79.9 119.9





#53
Toluene
Concen: 2.489 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

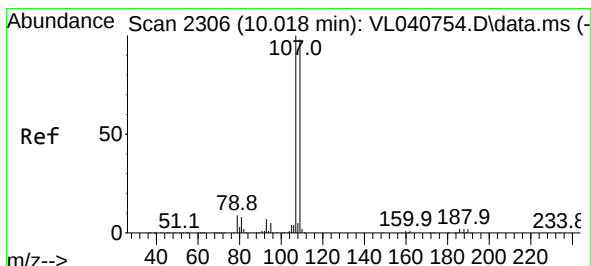
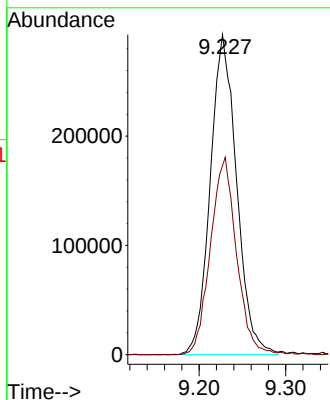
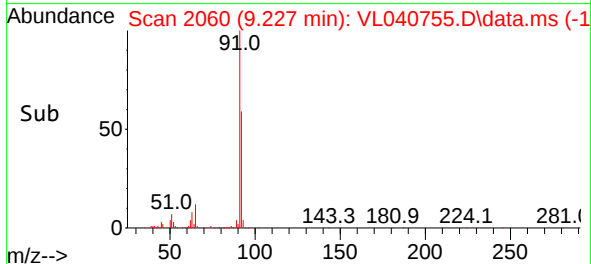
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



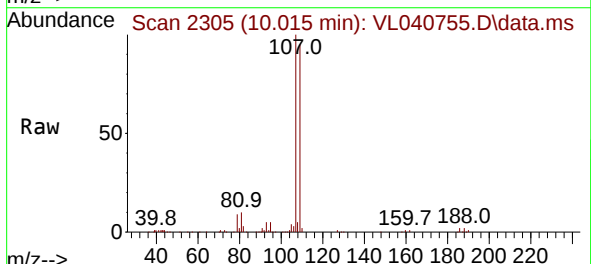
Tgt Ion: 91 Resp: 617192
Ion Ratio Lower Upper
91 100
92 61.5 50.2 75.2

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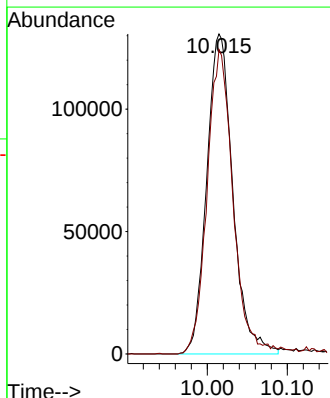
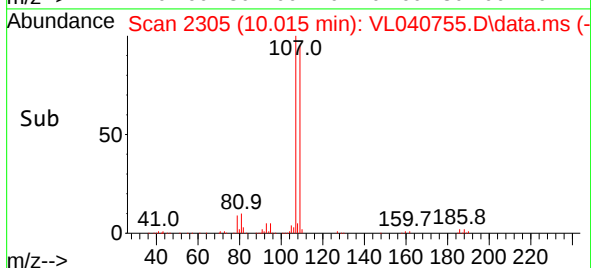
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

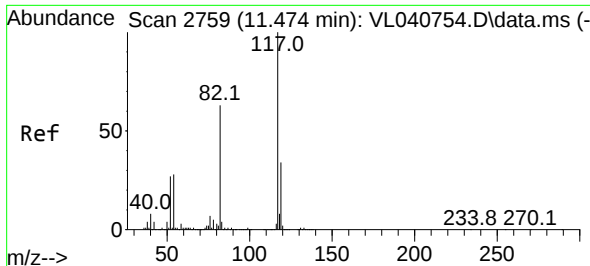


#54
1,2-Dibromoethane
Concen: 2.244 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



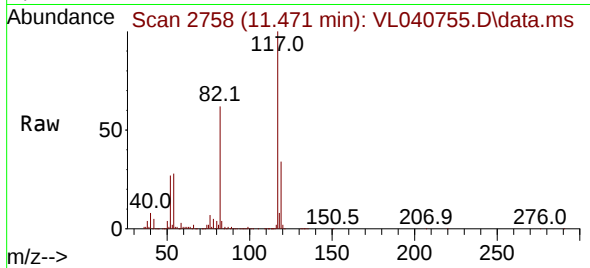
Tgt Ion:107 Resp: 297069
Ion Ratio Lower Upper
107 100
109 95.1 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

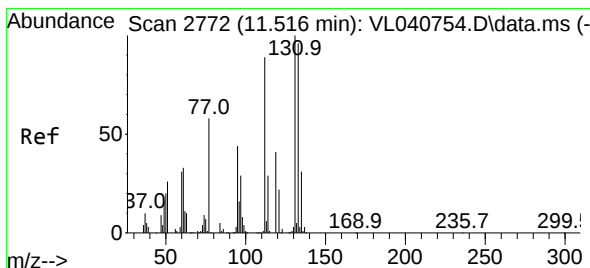
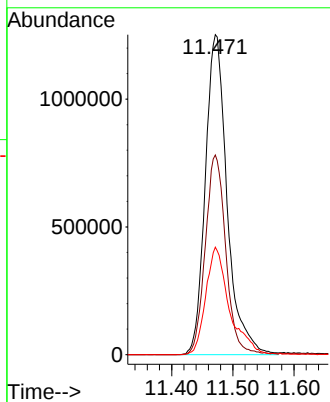
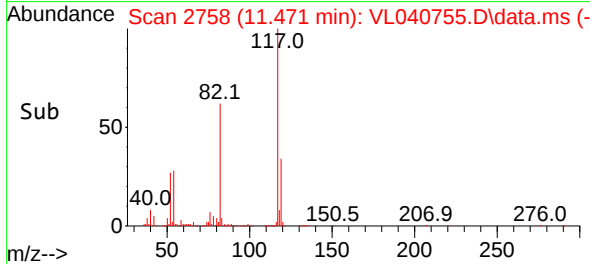
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



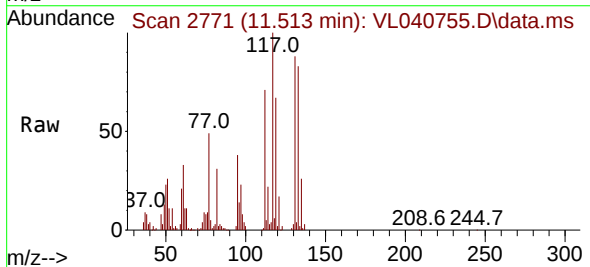
Tgt Ion:117 Resp: 310600
Ion Ratio Lower Upper
117 100
82 59.3 46.6 70.0
119 36.5 26.0 39.0

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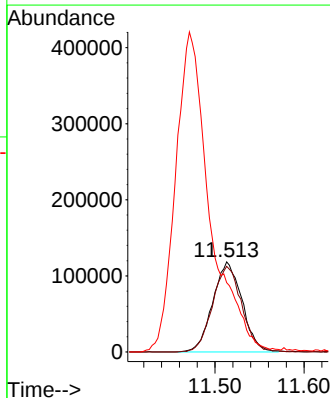
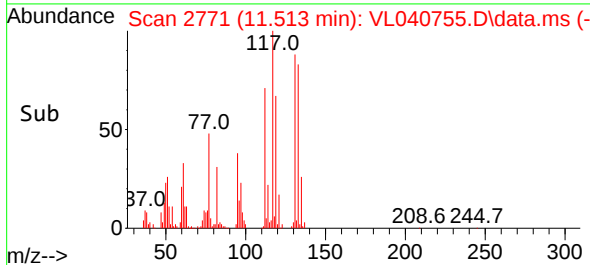
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

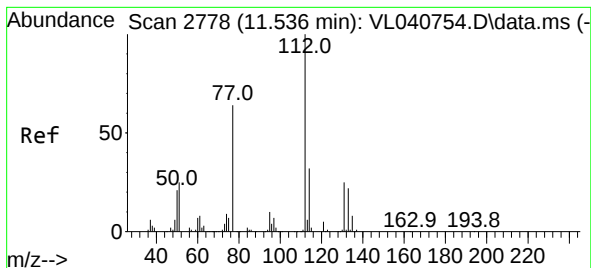


#56
1,1,1,2-Tetrachloroethane
Concen: 1.821 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



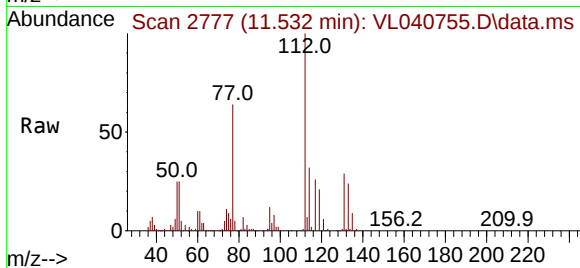
Tgt Ion:131 Resp: 269662
Ion Ratio Lower Upper
131 100
133 95.4 75.0 112.6
119 420.1 45.4 68.0#





#57
Chlorobenzene
Concen: 2.014 ppbv
RT: 11.532 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

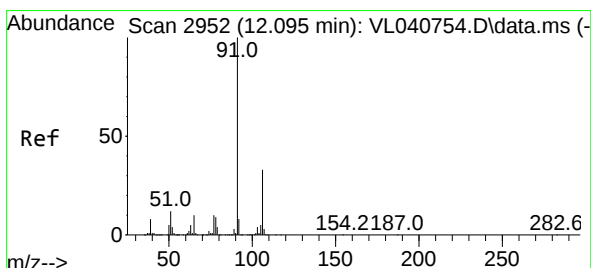
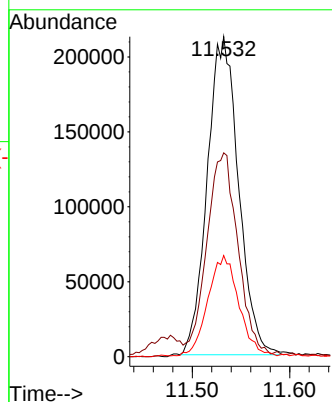
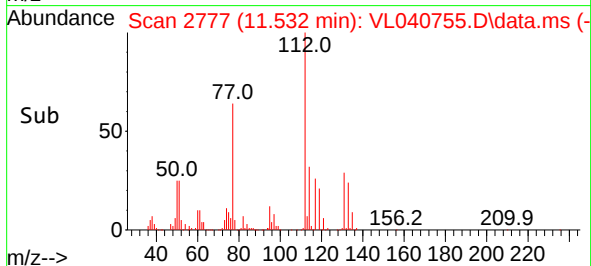
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



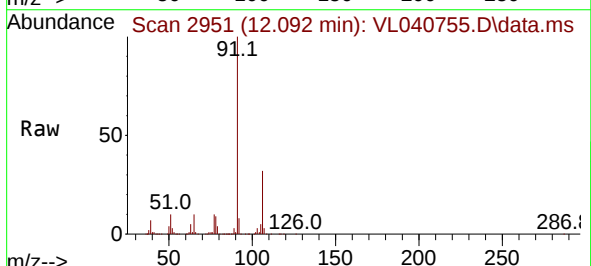
Tgt Ion: 112 Resp: 473619
Ion Ratio Lower Upper
112 100
77 62.9 51.9 77.9
114 31.4 28.6 35.0

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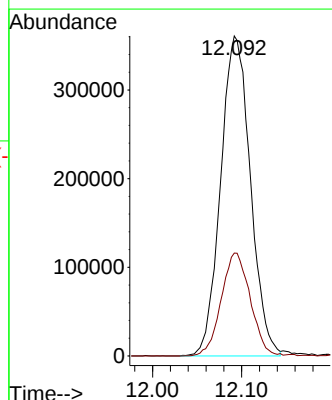
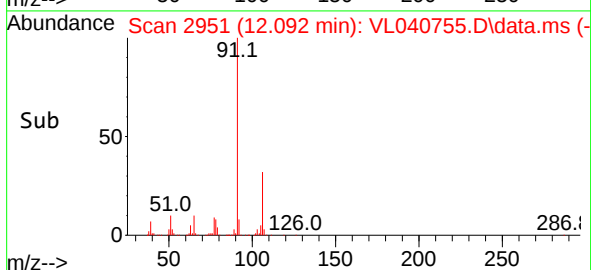
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

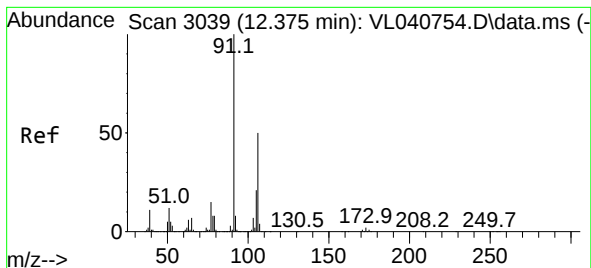


#58
Ethyl Benzene
Concen: 2.364 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



Tgt Ion: 91 Resp: 836972
Ion Ratio Lower Upper
91 100
106 32.2 26.7 40.1





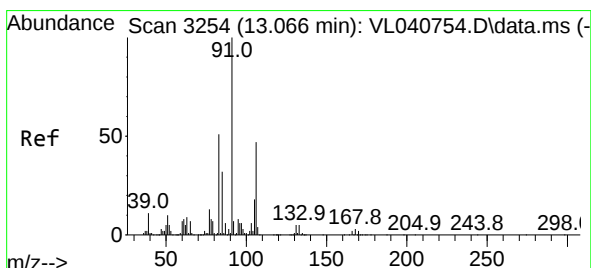
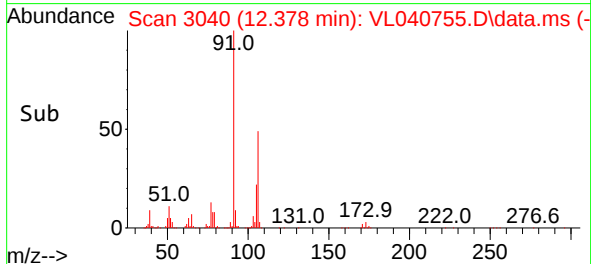
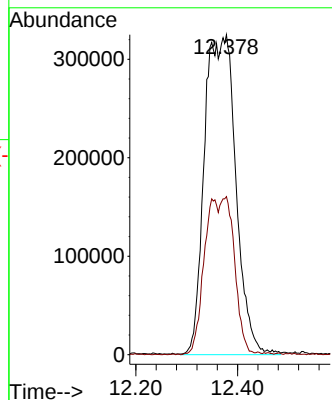
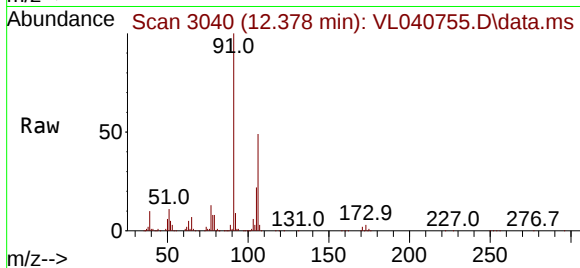
#59
m/p-Xylene
Concen: 4.176 ppbv m
RT: 12.378 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 138872
Ion Ratio Lower Upper
91 100
106 0.0 37.7 56.5

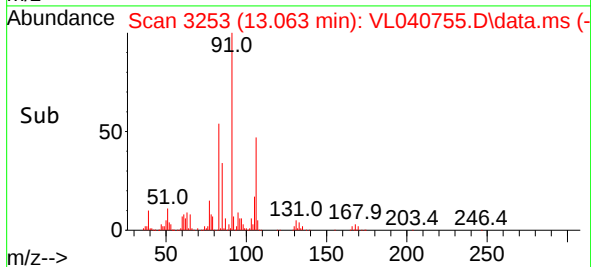
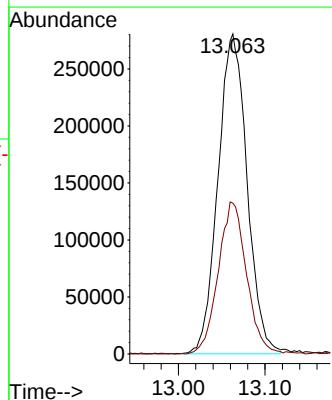
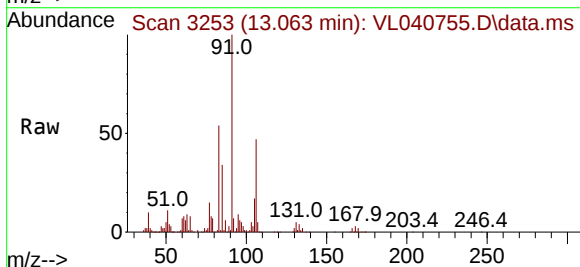
Manual Integrations
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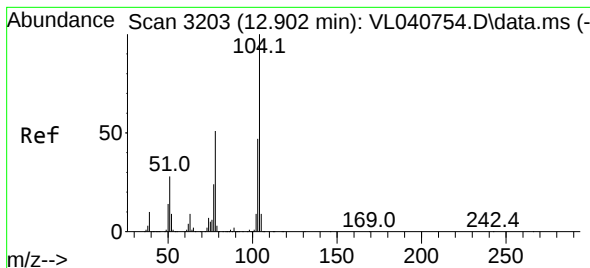
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#60
o-Xylene
Concen: 2.060 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion: 91 Resp: 653238
Ion Ratio Lower Upper
91 100
106 46.6 23.5 70.5





#61

Styrene

Concen: 2.721 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

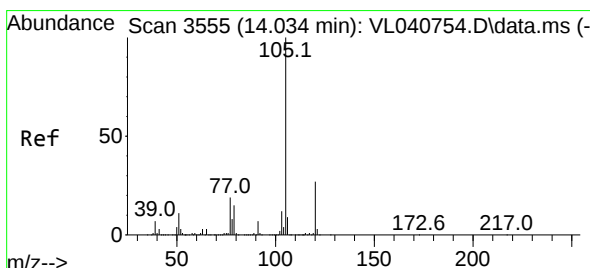
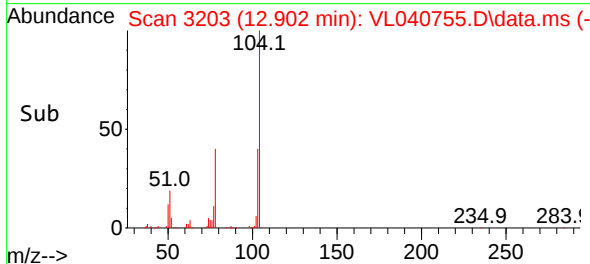
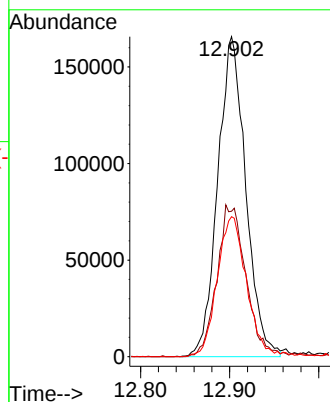
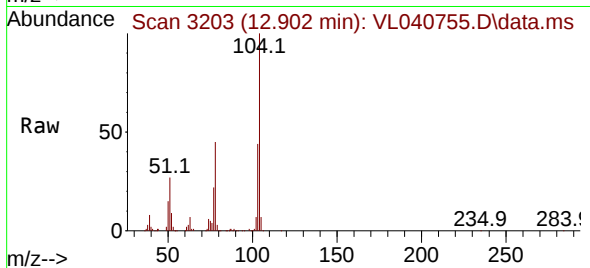
VSTDICC002

Tgt Ion:104	Resp:	36166
Ion Ratio	Lower	Upper
104	100	
78	49.3	39.8 59.6
103	46.3	37.5 56.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 2.130 ppbv

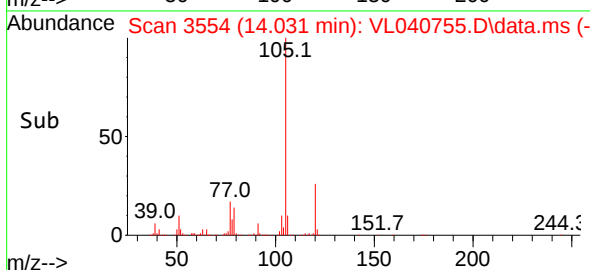
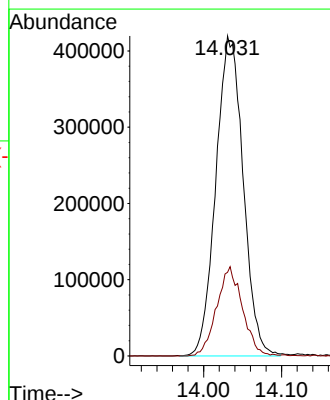
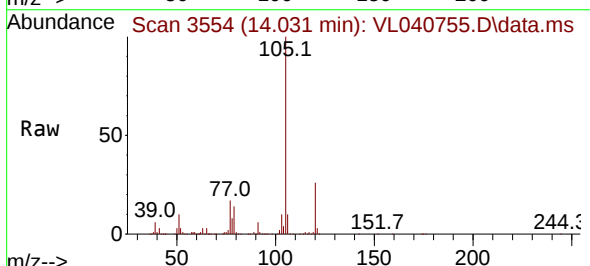
RT: 14.031 min Scan# 3554

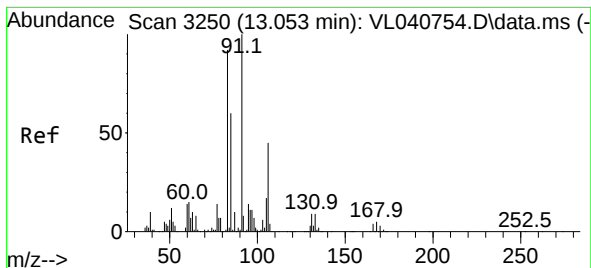
Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Tgt Ion:105	Resp:	1019908
Ion Ratio	Lower	Upper
105	100	
120	26.4	21.5 32.3





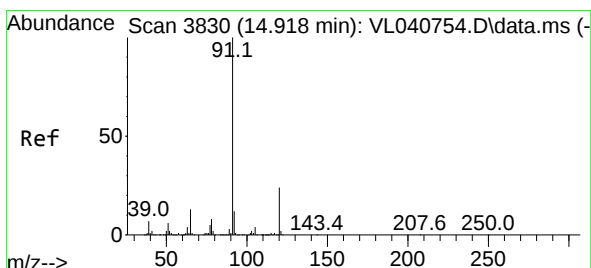
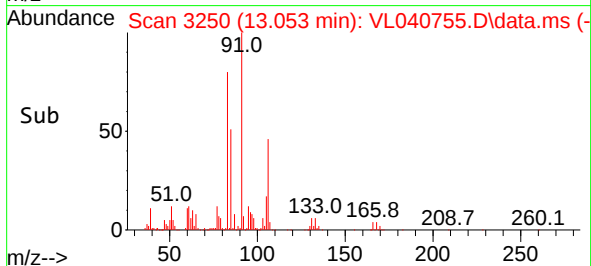
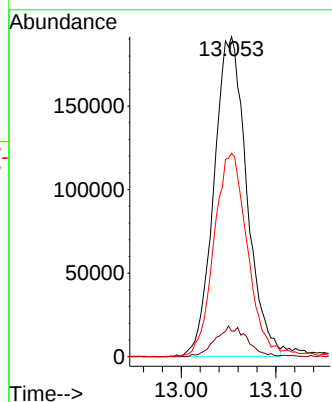
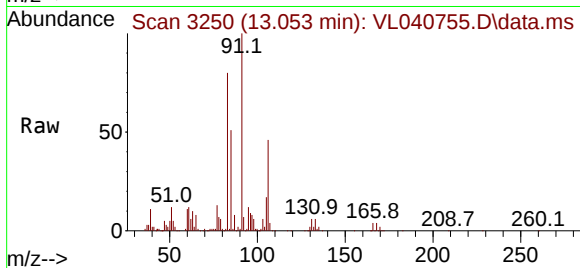
#63
1,1,2,2-Tetrachloroethane
Concen: 1.851 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 45996
Ion Ratio Lower Upper
83 100
131 9.4 4.9 14.6
85 66.3 32.9 98.7

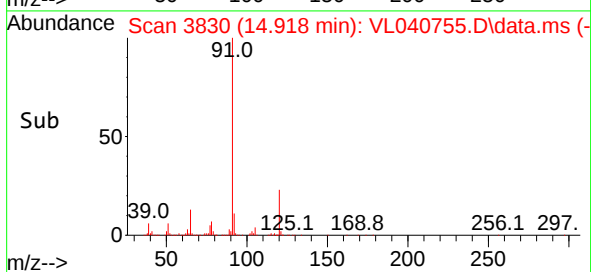
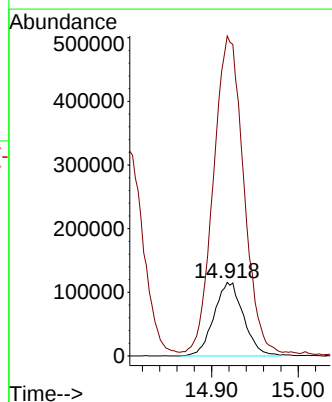
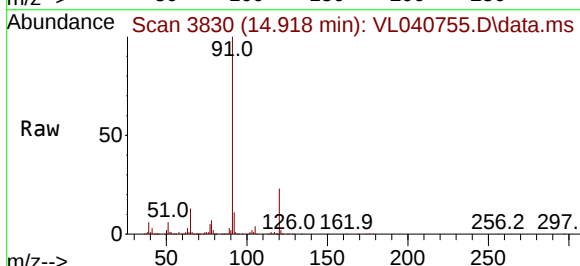
Manual Integrations
APPROVED

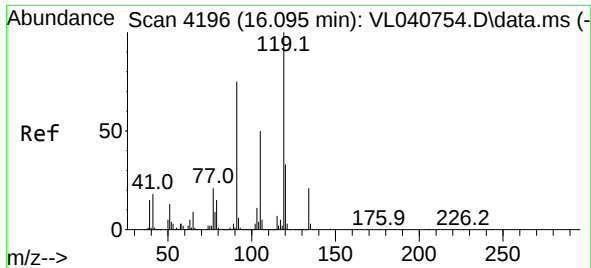
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#64
n-propylbenzene
Concen: 2.281 ppbv
RT: 14.918 min Scan# 3830
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion:120 Resp: 273112
Ion Ratio Lower Upper
120 100
91 450.3 345.9 518.9





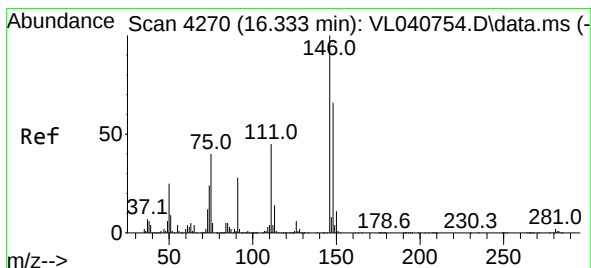
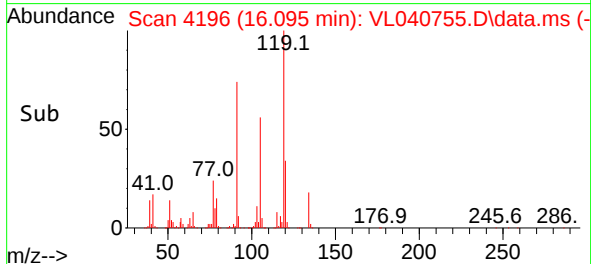
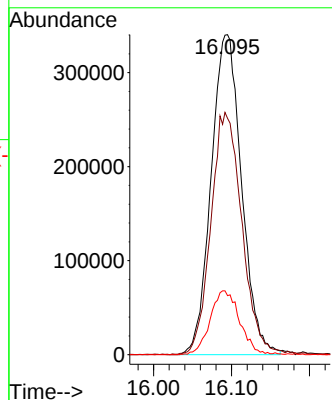
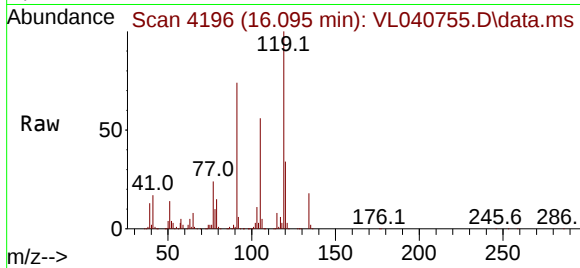
#65
tert-Butylbenzene
Concen: 2.148 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 92288
Ion Ratio Lower Upper
119 100
91 77.3 62.2 93.2
134 19.5 16.1 24.1

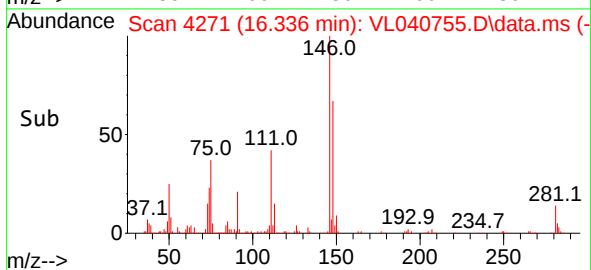
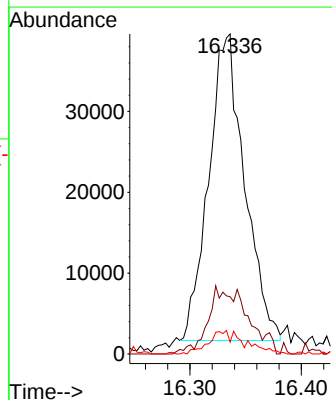
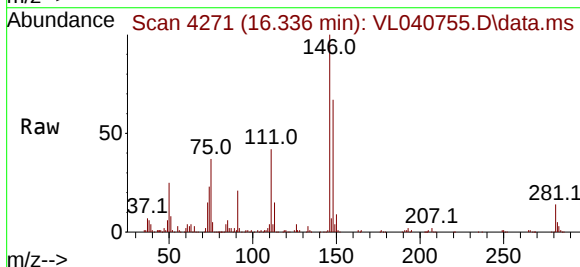
Manual Integrations
APPROVED

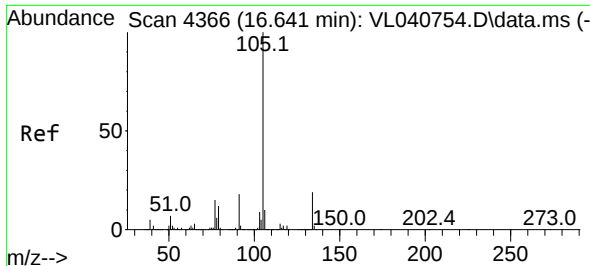
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#66
Benzyl Chloride
Concen: 1.690 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Tgt Ion: 91 Resp: 84763
Ion Ratio Lower Upper
91 100
126 24.6 16.1 24.1#
128 7.8 5.2 7.8#





#67

sec-Butylbenzene

Concen: 2.070 ppbv

RT: 16.638 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 127326

Ion Ratio Lower Upper

105 100

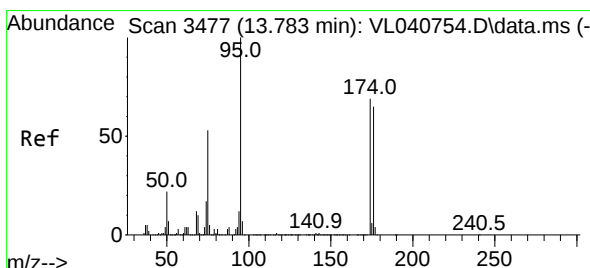
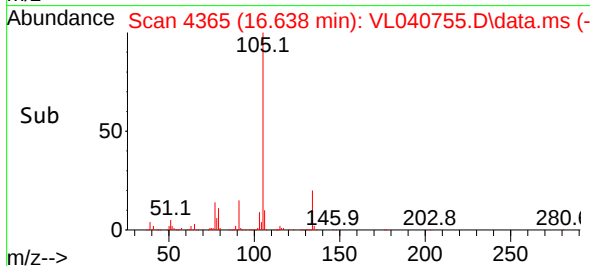
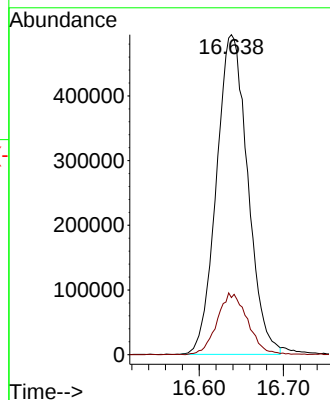
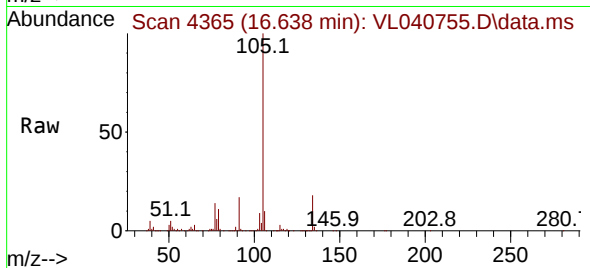
134 19.0 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/12/2023

Supervised By :Mahesh Dadoda 10/16/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.419 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.003 min

Lab File: VL040755.D

Acq: 11 Oct 2023 12:41

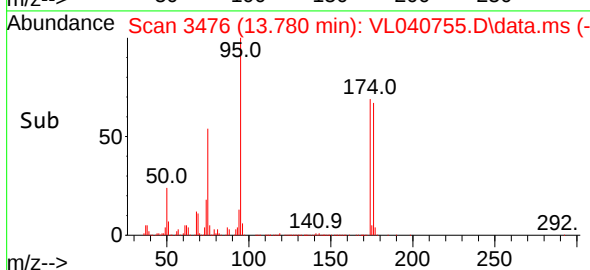
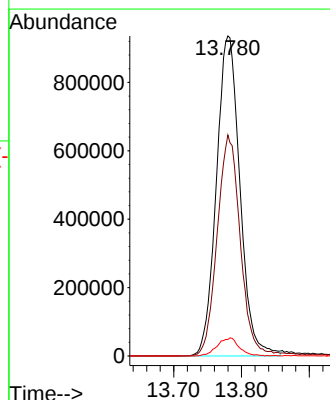
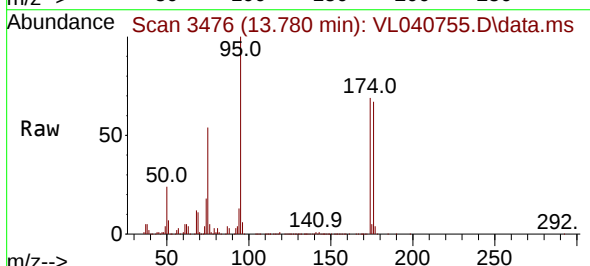
Tgt Ion: 95 Resp: 2260269

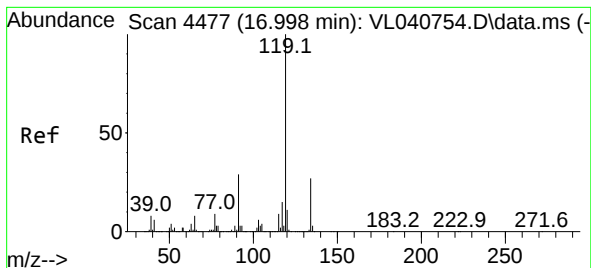
Ion Ratio Lower Upper

95 100

174 68.1 54.7 82.1

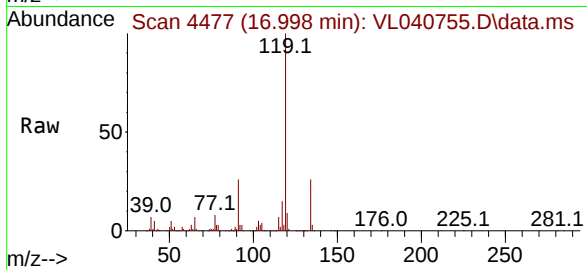
175 5.3 4.2 6.4





#69
p-Isopropyltoluene
Concen: 2.232 ppbv
RT: 16.998 min Scan# 4477
Delta R.T. 0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

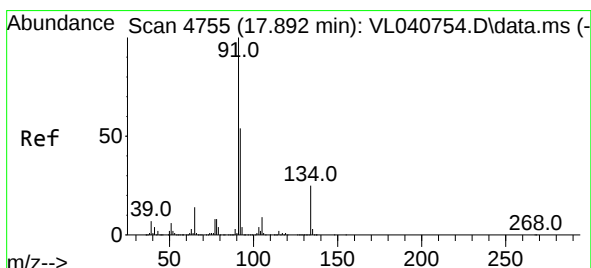
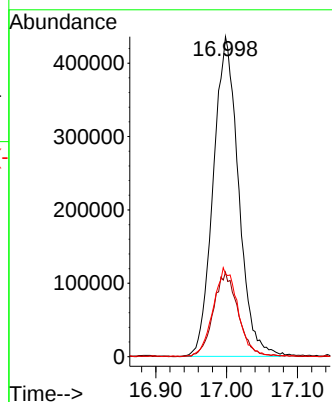
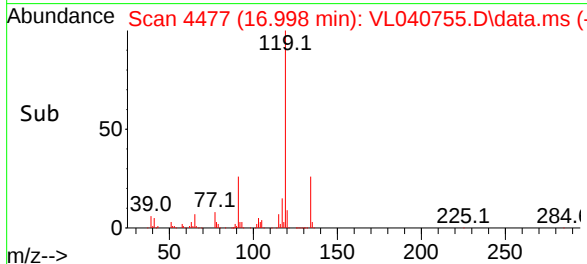
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



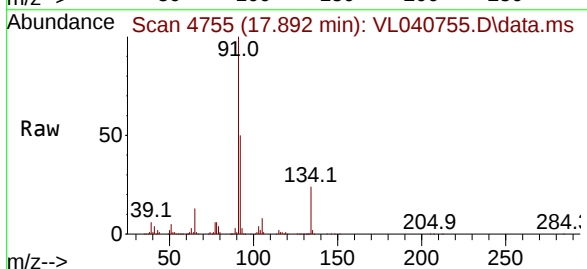
Tgt Ion:119 Resp: 1079368
Ion Ratio Lower Upper
119 100
134 26.1 21.0 31.4
91 27.4 22.8 34.2

Manual Integrations
APPROVED

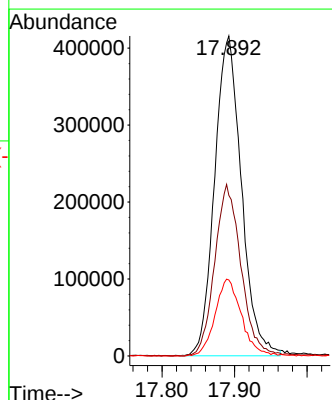
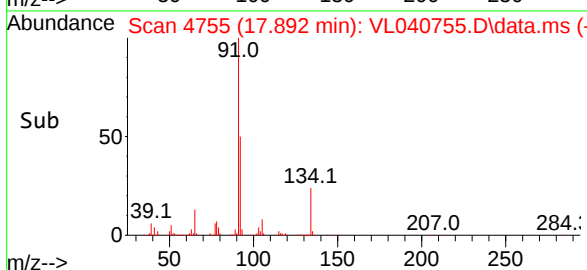
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

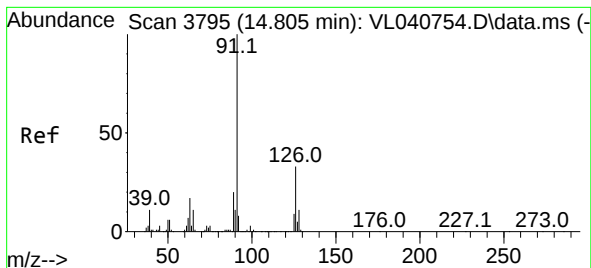


#70
n-Butylbenzene
Concen: 2.008 ppbv
RT: 17.892 min Scan# 4755
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



Tgt Ion: 91 Resp: 1068330
Ion Ratio Lower Upper
91 100
92 53.3 44.1 66.1
134 23.7 19.5 29.3





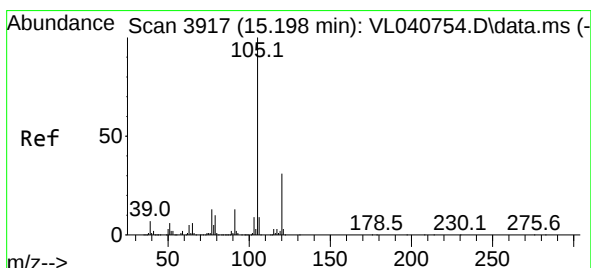
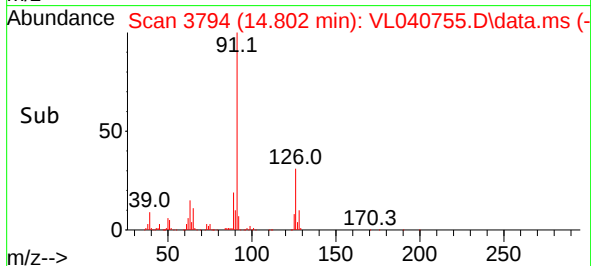
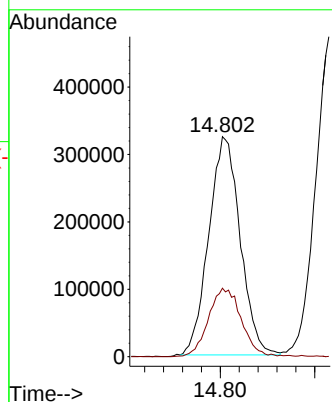
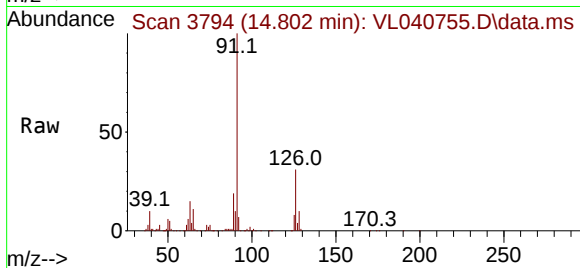
#71
2-Chlorotoluene
Concen: 2.108 ppbv
RT: 14.802 min Scan# 3795
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 91 Resp: 746599
Ion Ratio Lower Upper
91 100
126 33.1 13.3 53.1

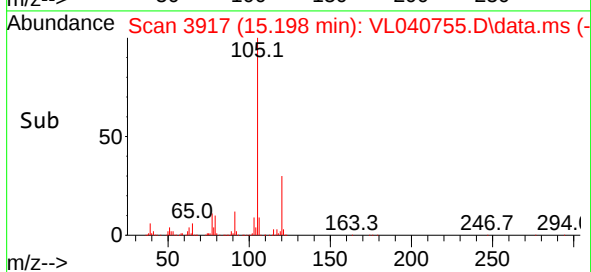
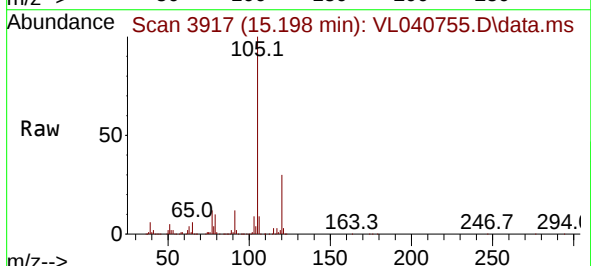
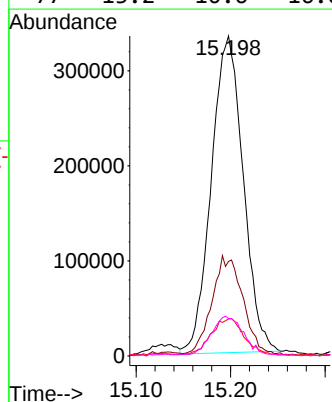
Manual Integrations
APPROVED

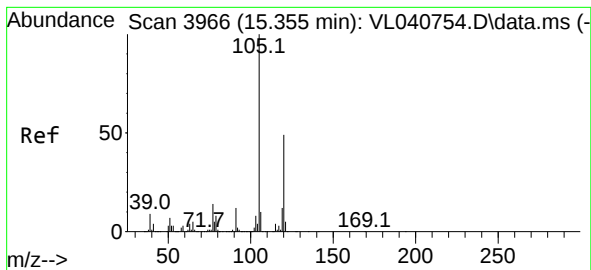
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#72
4-Ethyltoluene
Concen: 2.196 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

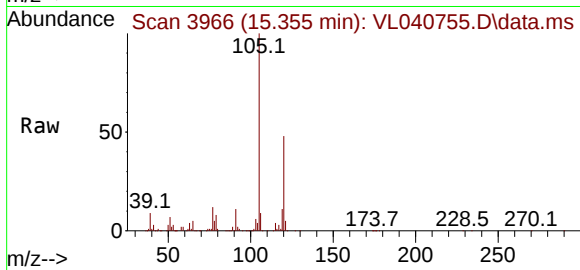
Tgt Ion:105 Resp: 780861
Ion Ratio Lower Upper
105 100
120 31.5 25.0 37.4
91 12.1 9.8 14.8
77 13.2 10.6 16.0





#73
 1,3,5-Trimethylbenzene
 Concen: 2.100 ppbv
 RT: 15.355 min Scan# 3966
 Delta R.T. -0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

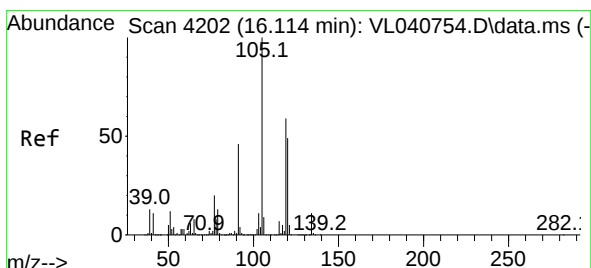
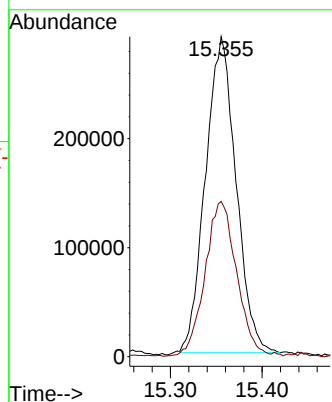
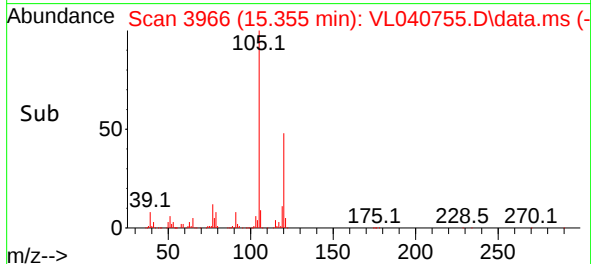
Instrument : MSVOA_L
 ClientSampleId : VSTDIC002



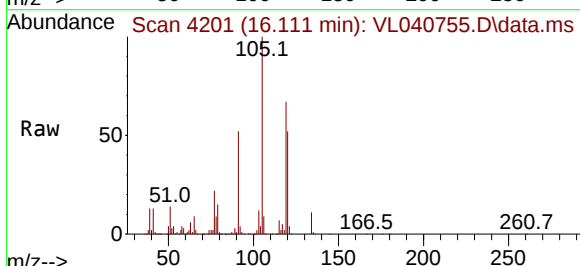
Tgt Ion:105 Resp: 672409
 Ion Ratio Lower Upper
 105 100
 120 48.3 39.4 59.2

Manual Integrations
 APPROVED

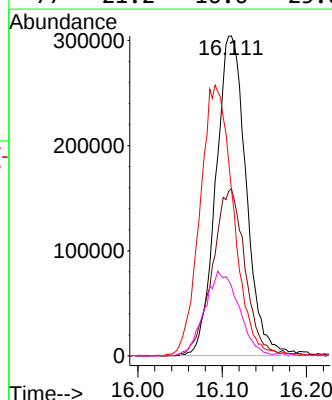
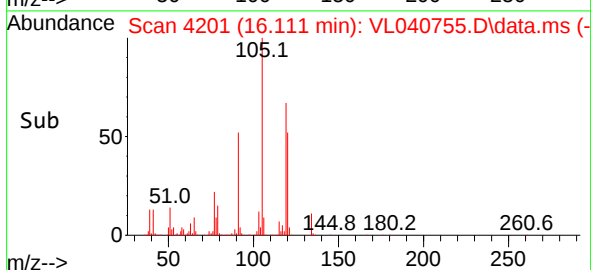
Reviewed By :Semsettin Yesilyurt 10/12/2023
 Supervised By :Mahesh Dadoda 10/16/2023

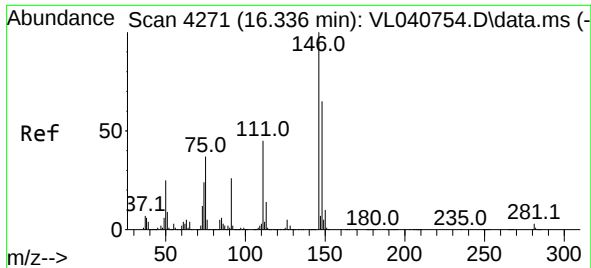


#74
 1,2,4-Trimethylbenzene
 Concen: 1.931 ppbv
 RT: 16.111 min Scan# 4201
 Delta R.T. -0.003 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41



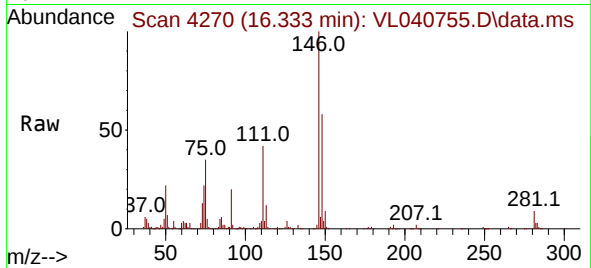
Tgt Ion:105 Resp: 753689
 Ion Ratio Lower Upper
 105 100
 120 51.6 39.4 59.2
 91 51.4 38.6 58.0
 77 21.2 16.6 25.0





#75
1,3-Dichlorobenzene
Concen: 2.066 ppbv
RT: 16.333 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

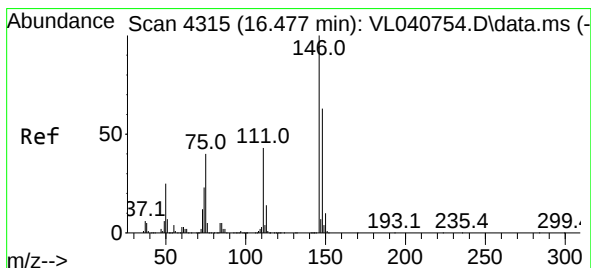
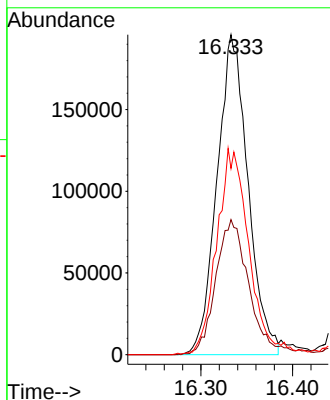
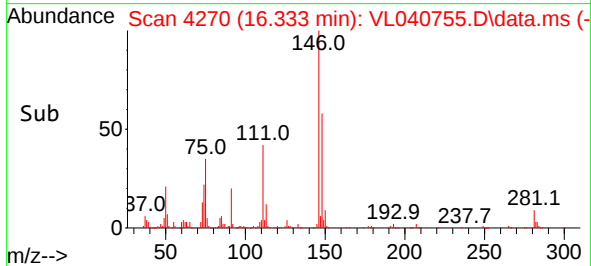
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



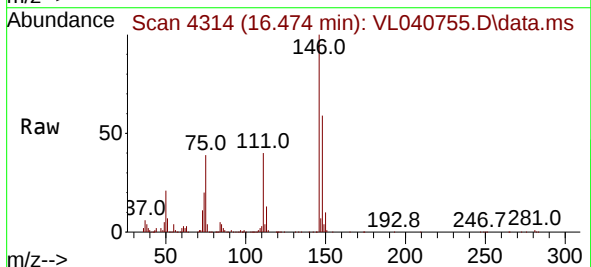
Tgt Ion:146 Resp: 459460
Ion Ratio Lower Upper
146 100
111 45.5 22.6 67.7
148 67.4 32.4 97.0

Manual Integrations
APPROVED

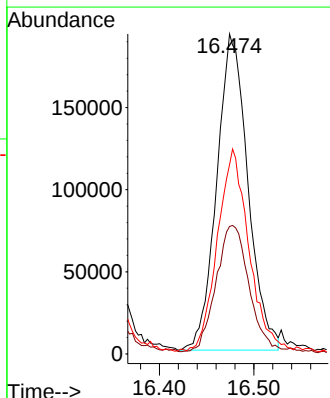
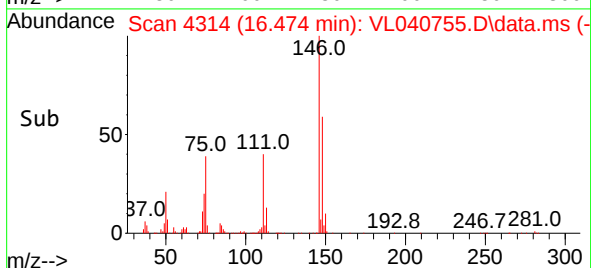
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

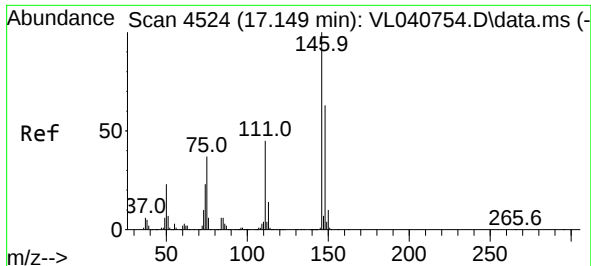


#76
1,4-Dichlorobenzene
Concen: 2.012 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



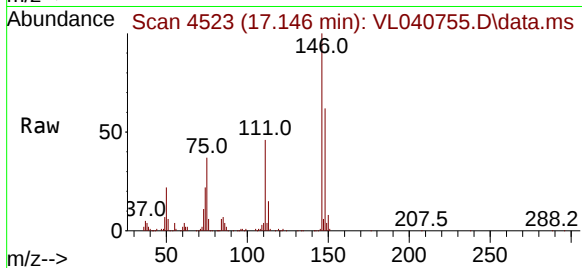
Tgt Ion:146 Resp: 440360
Ion Ratio Lower Upper
146 100
111 44.5 22.0 66.0
148 68.5 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 2.014 ppbv
RT: 17.146 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

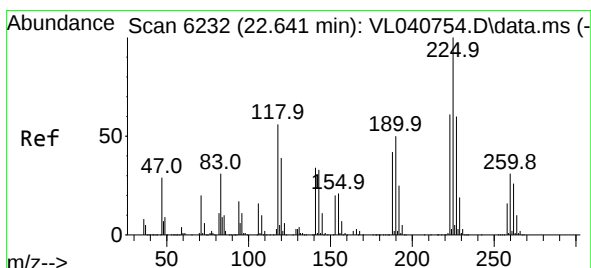
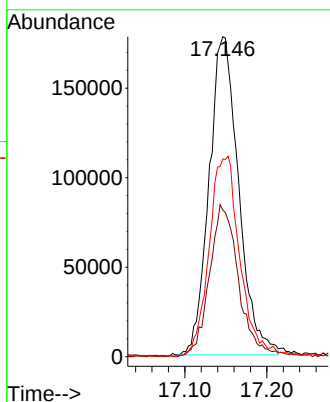
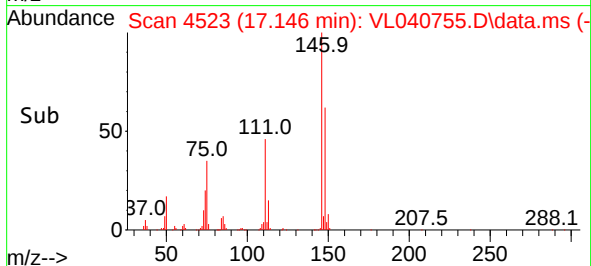
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



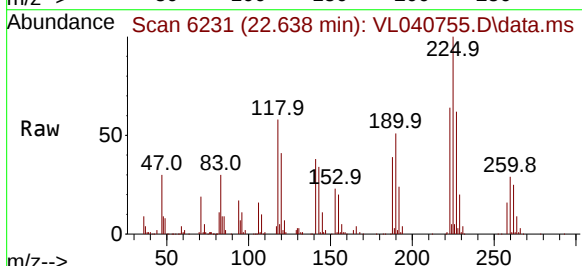
Tgt Ion:146 Resp: 446072
Ion Ratio Lower Upper
146 100
111 47.5 22.9 68.8
148 65.5 32.3 96.8

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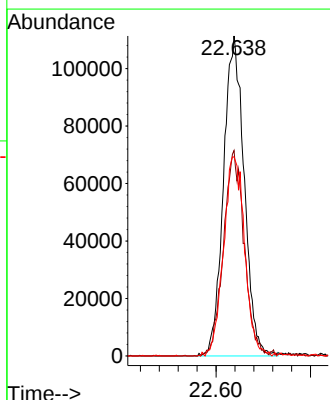
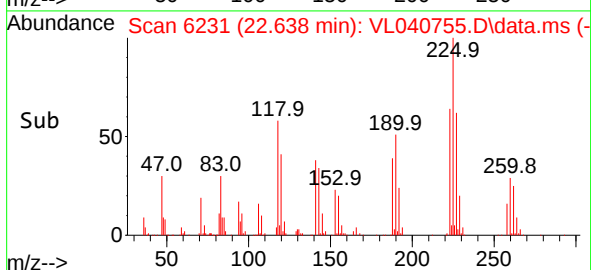
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

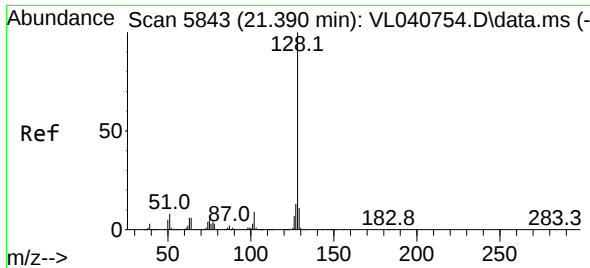


#78
Hexachloro-1,3-Butadiene
Concen: 2.014 ppbv m
RT: 22.638 min Scan# 6231
Delta R.T. -0.003 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



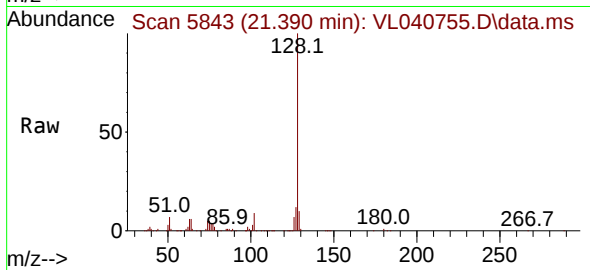
Tgt Ion:225 Resp: 337499
Ion Ratio Lower Upper
225 100
223 64.8 50.7 76.1
227 63.7 51.4 77.0





#79
Naphthalene
Concen: 2.787 ppbv
RT: 21.390 min Scan# 5843
Delta R.T. -0.000 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41

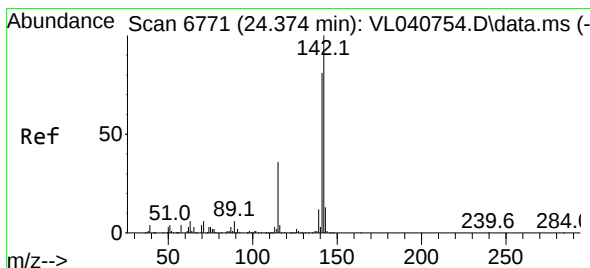
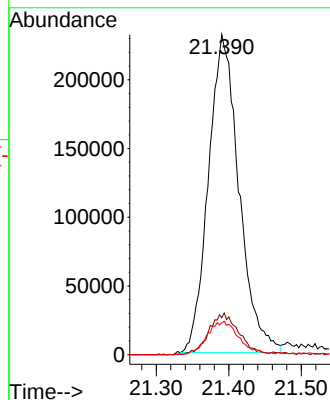
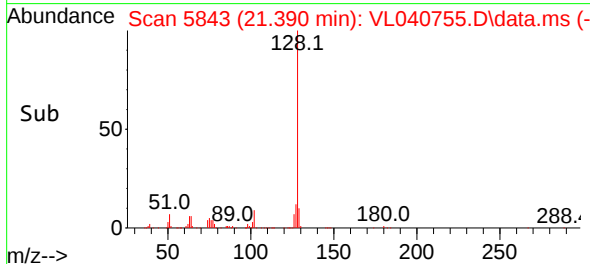
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



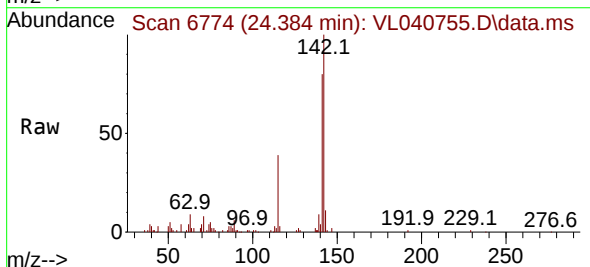
Tgt Ion:128 Resp: 67706
Ion Ratio Lower Upper
128 100
127 11.3 10.6 15.8
129 9.9 9.0 13.4

Manual Integrations
APPROVED

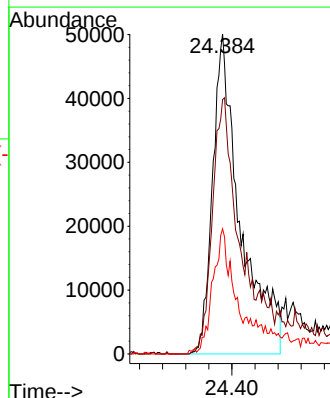
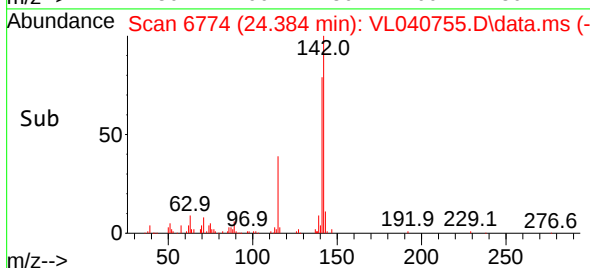
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

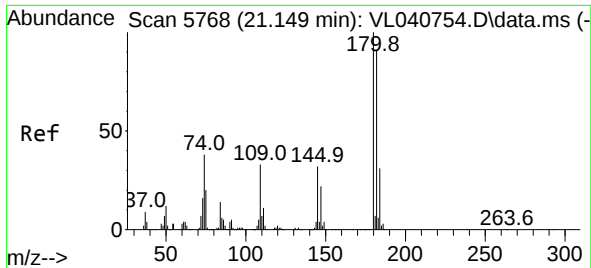


#80
Naphthalene,2-methyl-
Concen: 2.806 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. 0.010 min
Lab File: VL040755.D
Acq: 11 Oct 2023 12:41



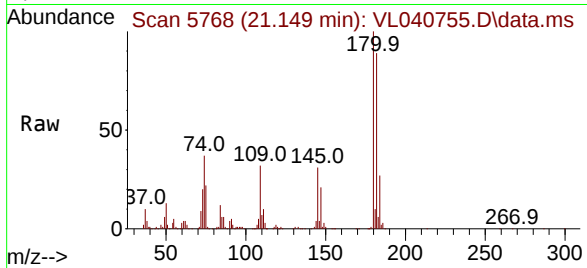
Tgt Ion:142 Resp: 166967
Ion Ratio Lower Upper
142 100
141 86.6 66.3 99.5
115 40.2 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 2.240 ppbv m
 RT: 21.149 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL040755.D
 Acq: 11 Oct 2023 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 35539
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.9 116.9
 184 29.5 25.0 37.6

Manual Integrations
 APPROVED

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

