

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040097.D
 Acq On : 16 Jan 2023 14:07
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 14:36:42 2023

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

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1184428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2931378	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3031182m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2462286 10.634 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	3001968	13.540	ppbv	97
3) Chlorodifluoromethane	2.665	51	1840033	10.529	ppbv	99
4) Chloromethane	2.803	50	1146542	10.471	ppbv	100
5) Vinyl Chloride	2.912	62	1013028	11.435	ppbv	98
6) Bromomethane	3.111	94	358141	11.002	ppbv	98
7) Chloroethane	3.189	64	376605	11.267	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	2519981	10.803	ppbv	98
9) Propene	2.684	41	776625	10.472	ppbv	99
10) Heptane	7.590	43	2009739	11.103	ppbv	99
11) Trichlorofluoromethane	3.558	101	2657234	11.030	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	2005557	10.992	ppbv	99
13) Ethanol	3.237	45	53891m	7.721	ppbv	
14) Bromoethene	3.359	108	792186	11.530	ppbv	98
15) Acetone	3.462	43	1786240	9.749	ppbv	100
16) 1,3-Butadiene	2.976	39	924853	11.613	ppbv	100
17) tert-Butyl alcohol	3.877	59	1652092	9.146	ppbv	99
18) 1,1-Dichloroethene	3.877	96	897385	11.300	ppbv	95
19) Isopropyl Alcohol	3.571	45	852511	9.441	ppbv	98
20) Methylene Chloride	3.928	84	760457	9.764	ppbv	98
21) Allyl Chloride	3.992	41	1270580	11.540	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	942955	11.913	ppbv	94
23) Vinyl Acetate	4.629	43	646817	11.135	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1847801	10.832	ppbv	99
25) Ethyl Acetate	5.208	43	3601811	11.351	ppbv	100
26) Hexane	5.214	57	1554662	11.657	ppbv	97
27) Carbon Disulfide	4.121	76	2239947	13.315	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1686764	10.732	ppbv	100
29) Chloroform	5.279	83	2641797	12.980	ppbv	98
30) Cyclohexane	6.606	84	1285003	10.880	ppbv	98
31) cis-1,2-Dichloroethene	5.082	61	1506093	11.858	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	2626389	12.054	ppbv	99
34) 2-Butanone	4.787	43	2053144	12.911	ppbv	99
35) Carbon Tetrachloride	6.500	117	2743987	15.071	ppbv	97
36) Benzene	6.378	78	3271502	12.496	ppbv	99
37) 1,2-Dichloroethane	5.812	62	2066016	13.452	ppbv	100
38) Trichloroethene	7.301	130	1962597	14.588	ppbv	99
39) 1,2-Dichloropropane	7.082	63	1271998	12.962	ppbv	97
40) 1,4-Dioxane	7.291	88	492918	11.145	ppbv	94
41) Tetrahydrofuran	5.558	42	1253208	12.625	ppbv	99
42) Bromodichloromethane	7.259	83	2957666	14.057	ppbv	98
43) Methyl Methacrylate	7.484	69	1340202	13.640	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5386333	12.497	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1388446	16.720	ppbv	99

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

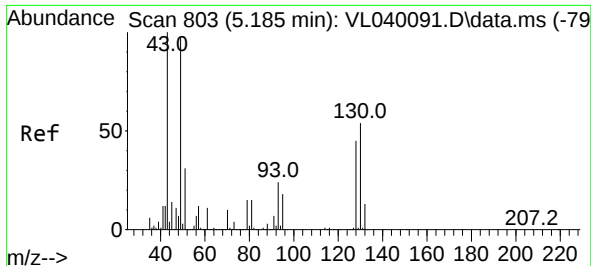
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

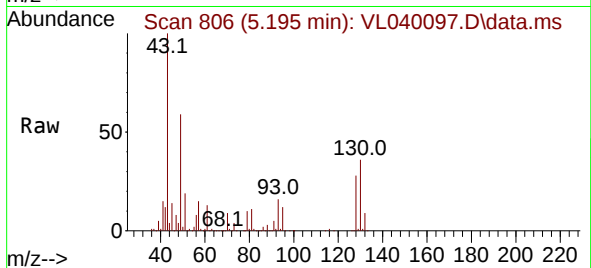
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1791984	15.300	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1397237	13.002	ppbv	99
48) Dibromochloromethane	9.725	129	2462019	15.065	ppbv	99
49) Bromoform	12.423	173	2016830	16.177	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	3452931	13.291	ppbv	99
51) 2-Hexanone	9.565	43	2752624	13.621	ppbv #	97
52) Tetrachloroethene	10.629	164	1149633	12.916	ppbv	98
53) Toluene	9.233	91	3789613	13.074	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1627331	14.062	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.526	131	1735609	12.413	ppbv	96
57) Chlorobenzene	11.545	112	2973426	11.556	ppbv	97
58) Ethyl Benzene	12.105	91	5184022	12.037	ppbv	99
59) m/p-Xylene	12.391	91	8962698m	23.889	ppbv	
60) o-Xylene	13.076	91	4355203	12.116	ppbv	98
61) Styrene	12.915	104	2569960	13.331	ppbv	99
62) Isopropylbenzene	14.050	105	5984738	11.549	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	1501679	11.395	ppbv	99
64) n-propylbenzene	14.934	120	1580656	12.076	ppbv	92
65) tert-Butylbenzene	16.114	119	5284387	11.734	ppbv	98
66) Benzyl Chloride	16.346	91	433088	16.492	ppbv #	97
67) sec-Butylbenzene	16.658	105	7334709	11.622	ppbv	99
69) p-Isopropyltoluene	17.018	119	5970669	11.843	ppbv	99
70) n-Butylbenzene	17.908	91	6360262	12.042	ppbv	98
71) 2-Chlorotoluene	14.822	91	4744923	12.001	ppbv	99
72) 4-Ethyltoluene	15.214	105	4918852	12.325	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	4373724	12.152	ppbv	97
74) 1,2,4-Trimethylbenzene	16.130	105	4718692	11.893	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	2661139	12.258	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	2588461	12.213	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	2495604	11.986	ppbv	99
78) Hexachloro-1,3-Butadiene	22.660	225	1676914	11.610	ppbv	99
79) Naphthalene	21.410	128	3470958	14.682	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	1093239	15.114	ppbv	94
81) 1,2,4-Trichlorobenzene	21.162	180	1816871	12.939	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

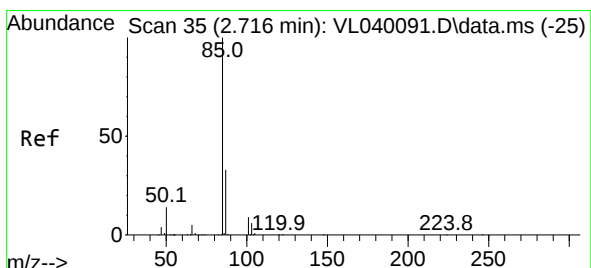
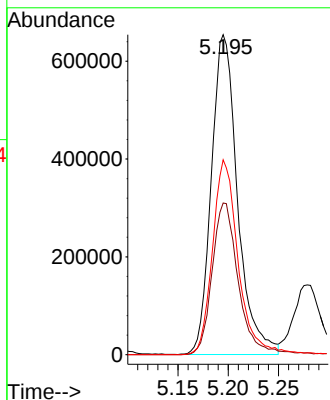
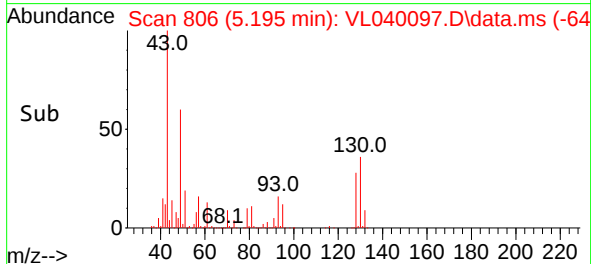
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 1184428
Ion Ratio Lower Upper
49 100
128 47.8 23.6 71.0
130 60.5 29.8 89.3

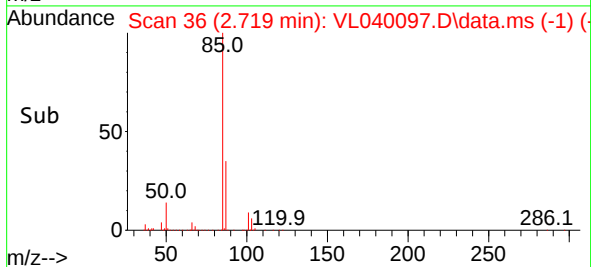
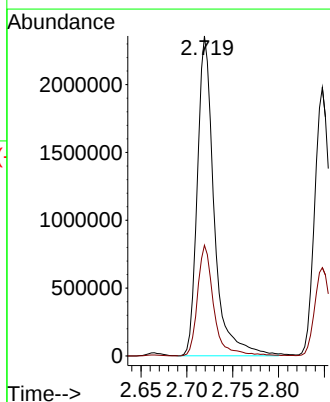
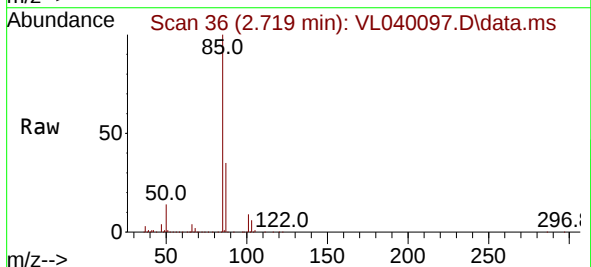
Manual Integrations
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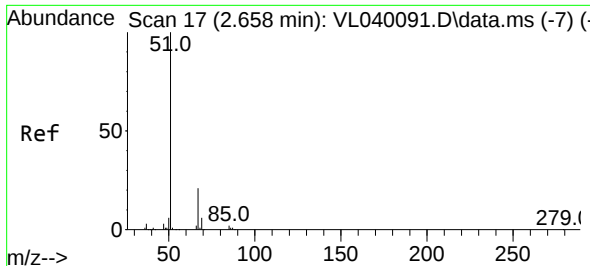
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#2
Dichlorodifluoromethane
Concen: 13.540 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 85 Resp: 3001968
Ion Ratio Lower Upper
85 100
87 34.6 26.5 39.7





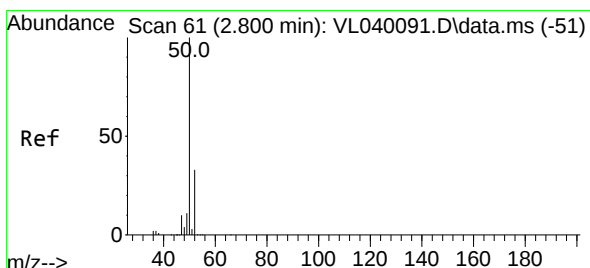
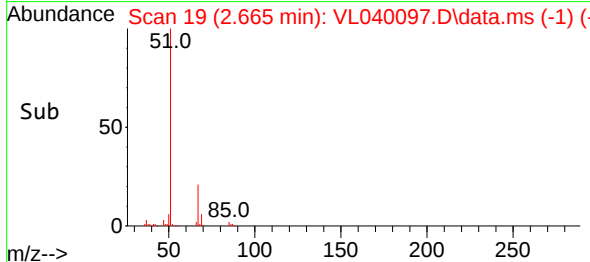
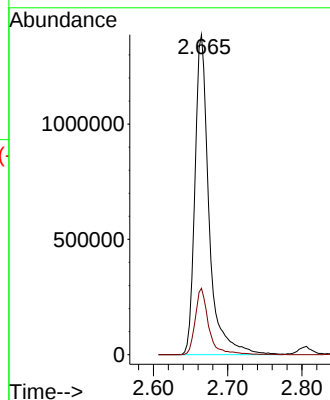
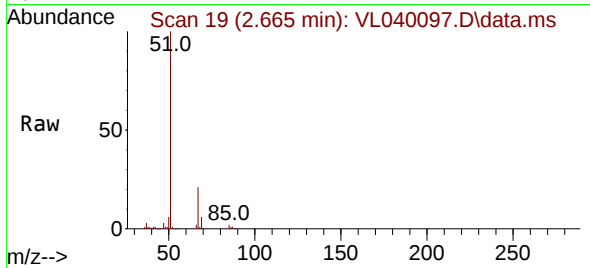
#3
Chlorodifluoromethane
Concen: 10.529 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 1840033
Ion Ratio Lower Upper
51 100
67 20.1 16.4 24.6

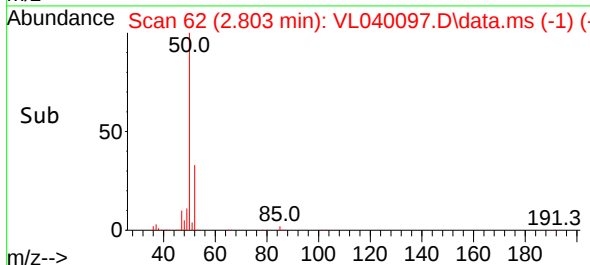
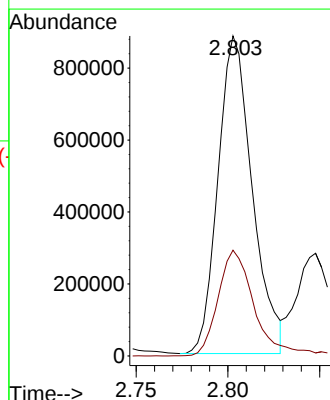
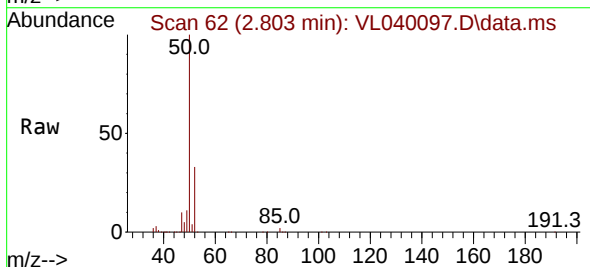
Manual Integrations
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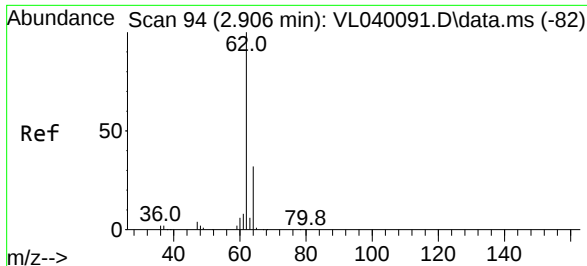
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#4
Chloromethane
Concen: 10.471 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 50 Resp: 1146542
Ion Ratio Lower Upper
50 100
52 33.3 26.5 39.7





#5
 Vinyl Chloride
 Concen: 11.435 ppbv
 RT: 2.912 min Scan# 94
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

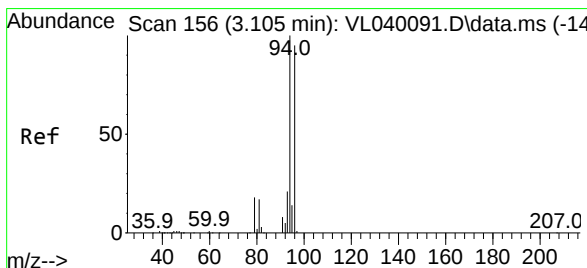
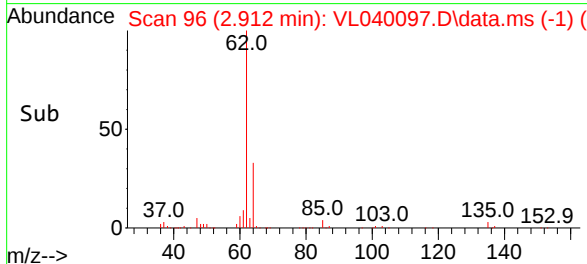
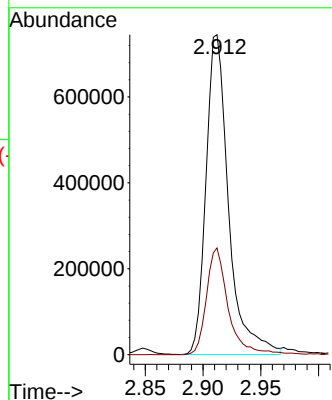
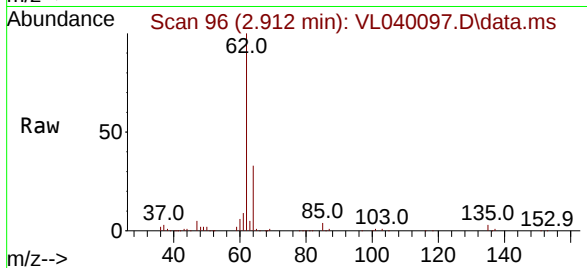
VSTDIC015

Tgt Ion: 62 Resp: 1013028
 Ion Ratio Lower Upper
 62 100
 64 33.4 25.8 38.6

Manual Integrations

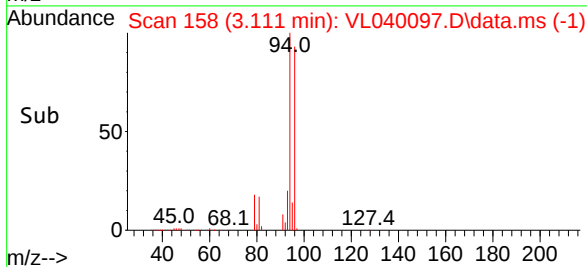
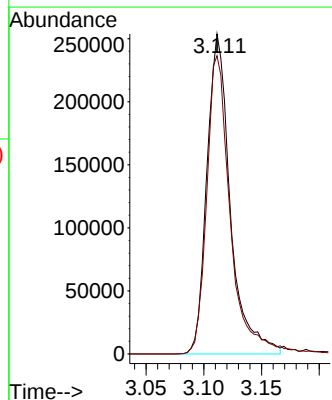
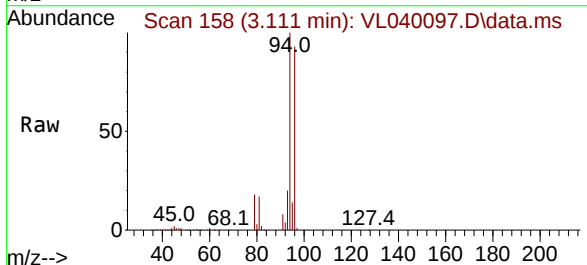
APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#6
 Bromomethane
 Concen: 11.002 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

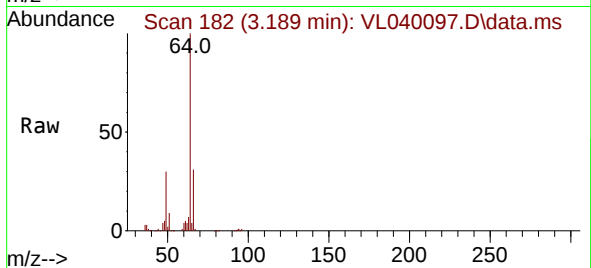
Tgt Ion: 94 Resp: 358141
 Ion Ratio Lower Upper
 94 100
 96 93.1 76.2 114.2





#7
Chloroethane
Concen: 11.267 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

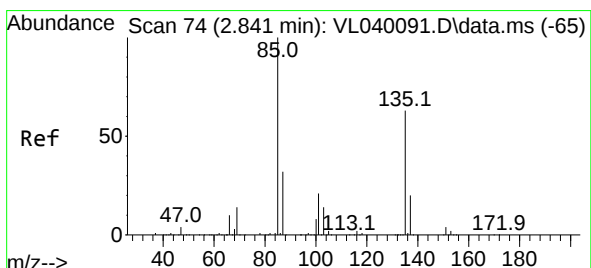
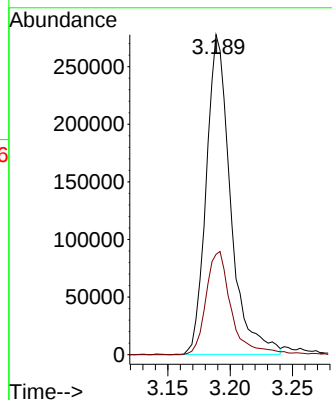
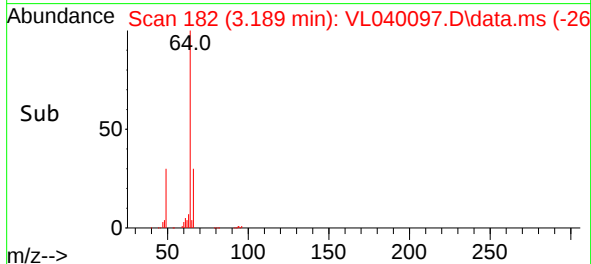
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 376609
Ion Ratio Lower Upper
64 100
66 31.4 25.6 38.4

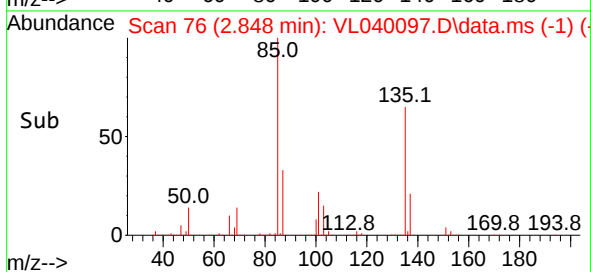
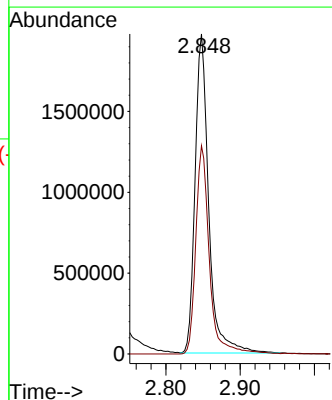
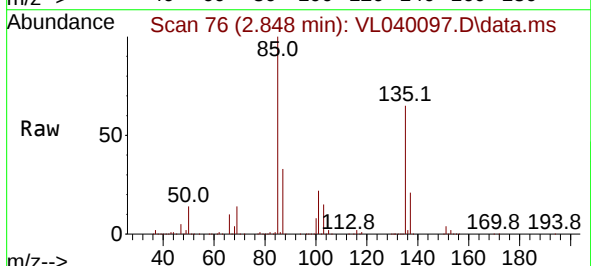
Manual Integrations
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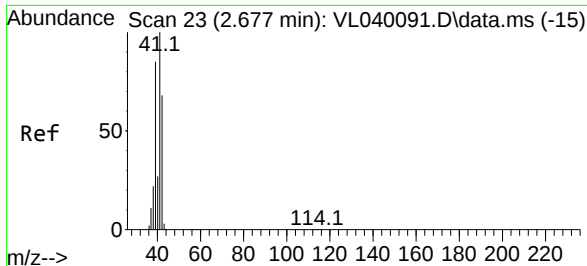
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#8
Dichlorotetrafluoroethane
Concen: 10.803 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

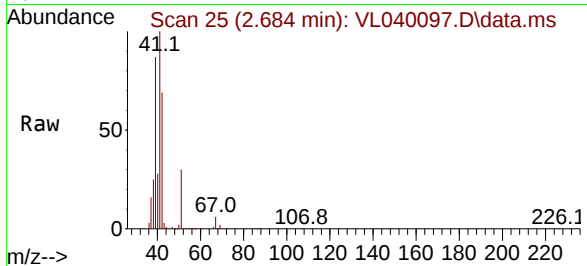
Tgt Ion: 85 Resp: 2519981
Ion Ratio Lower Upper
85 100
135 65.6 51.4 77.2





#9
 Propene
 Concen: 10.472 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

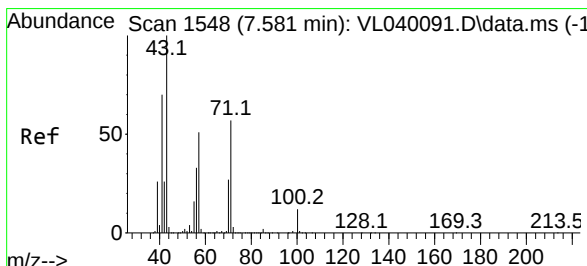
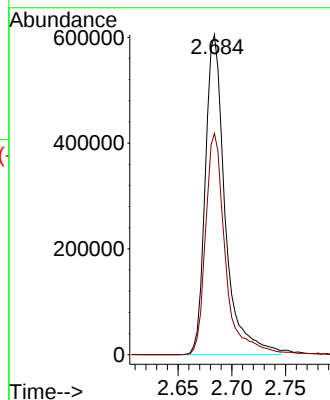
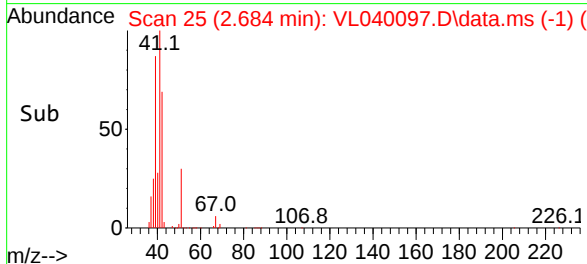
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



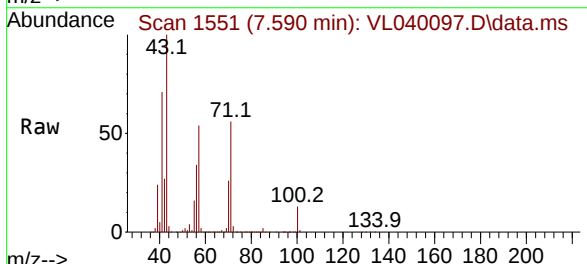
Tgt Ion: 41 Resp: 776625
 Ion Ratio Lower Upper
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 42 70.0 55.6 83.4

Manual Integrations
 APPROVED

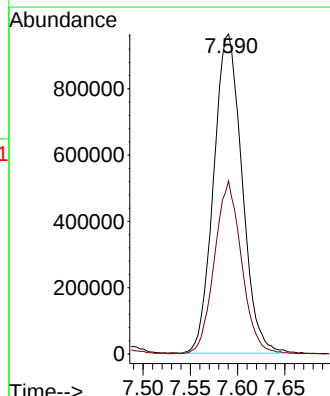
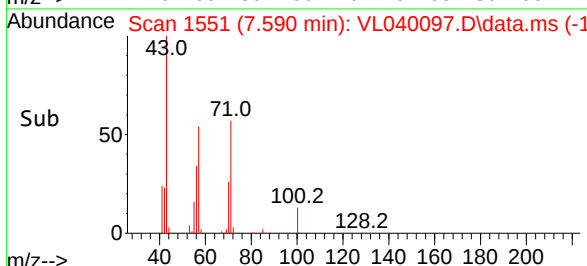
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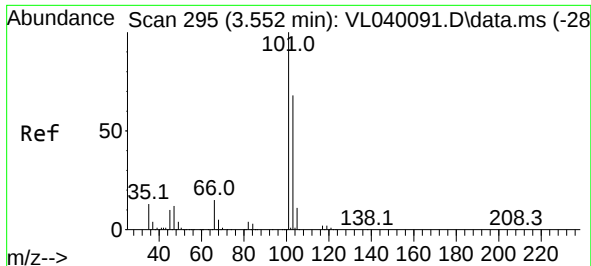


#10
 Heptane
 Concen: 11.103 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07



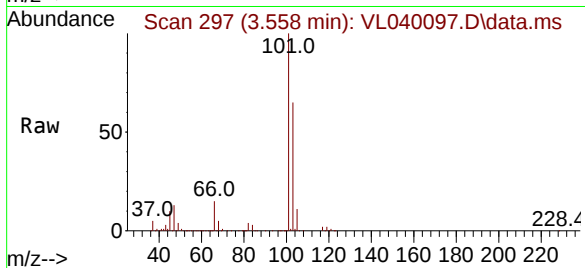
Tgt Ion: 43 Resp: 2009739
 Ion Ratio Lower Upper
 43 100
 57 51.9 40.9 61.3





#11
 Trichlorofluoromethane
 Concen: 11.030 ppbv
 RT: 3.558 min Scan# 295
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

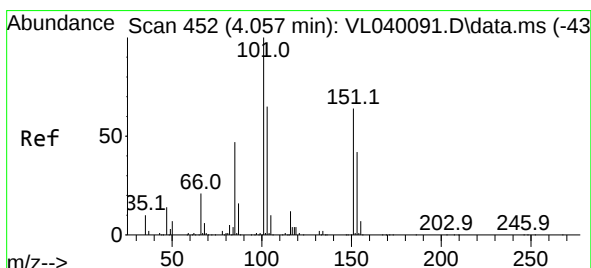
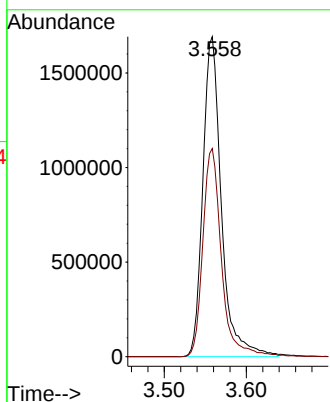
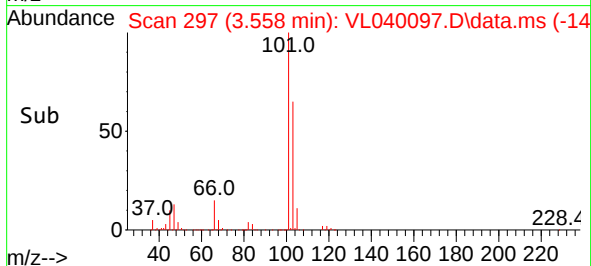
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



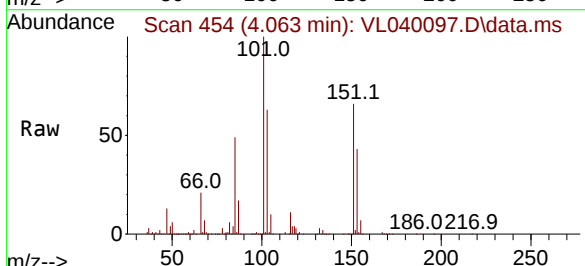
Tgt Ion:101 Resp: 2657234
 Ion Ratio Lower Upper
 101 100
 103 65.1 54.0 81.0

Manual Integrations
 APPROVED

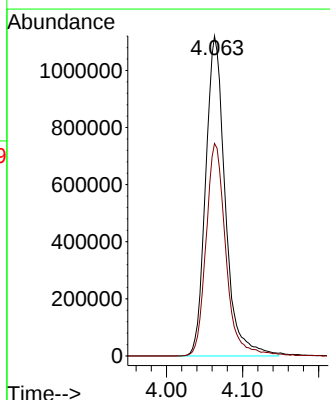
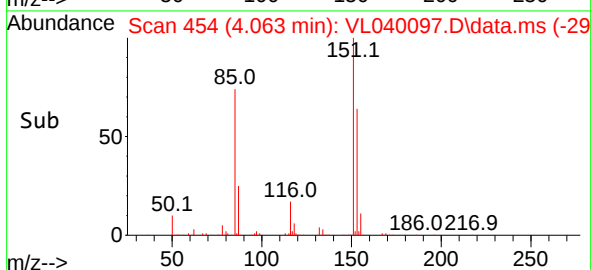
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

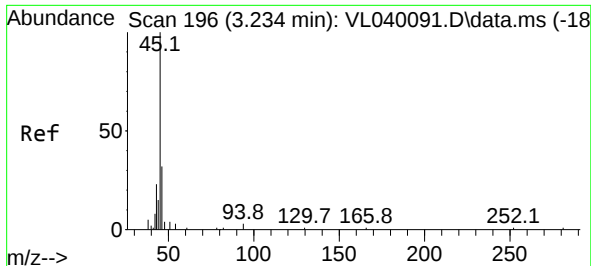


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.992 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07



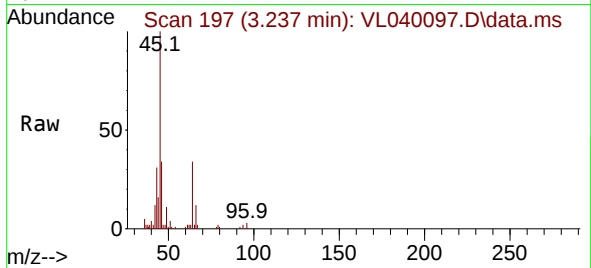
Tgt Ion:101 Resp: 2005557
 Ion Ratio Lower Upper
 101 100
 151 67.5 53.2 79.8





#13
Ethanol
Concen: 7.721 ppbv m
RT: 3.237 min Scan# 196
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

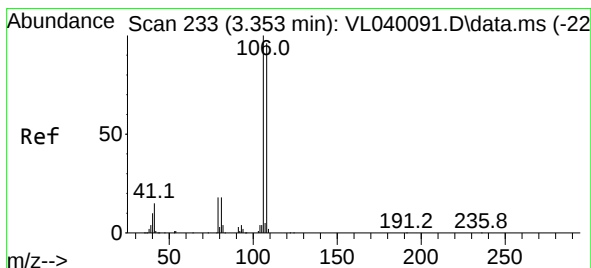
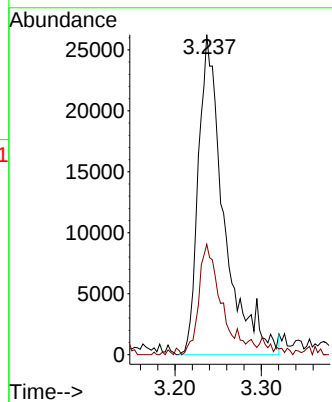
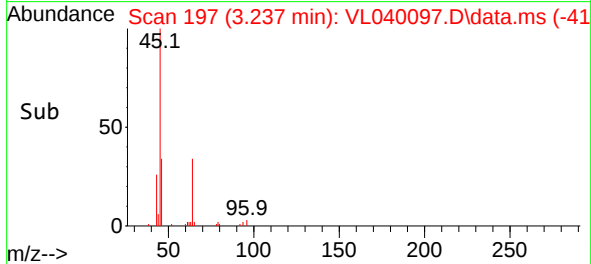
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



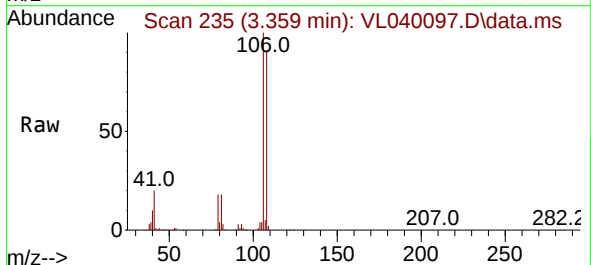
Tgt Ion: 45 Resp: 5389
Ion Ratio Lower Upper
45 100
46 34.4 14.8 59.2

Manual Integrations
APPROVED

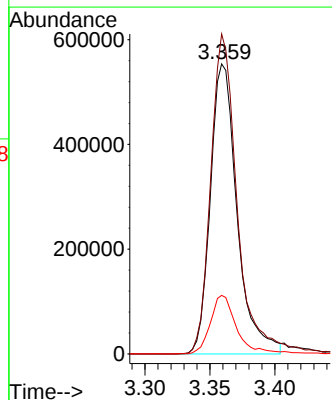
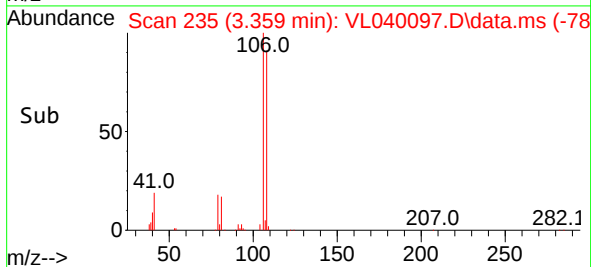
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

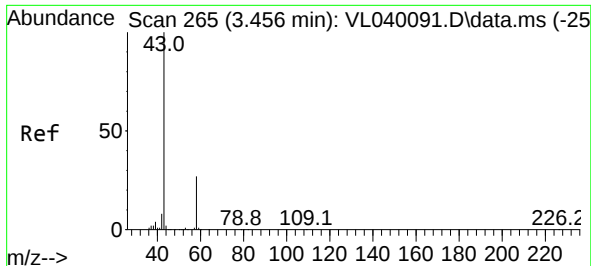


#14
Bromoethene
Concen: 11.530 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



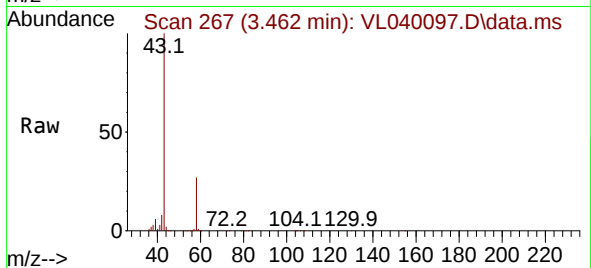
Tgt Ion:108 Resp: 792186
Ion Ratio Lower Upper
108 100
106 111.0 87.0 130.6
79 20.2 16.1 24.1





#15
Acetone
Concen: 9.749 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

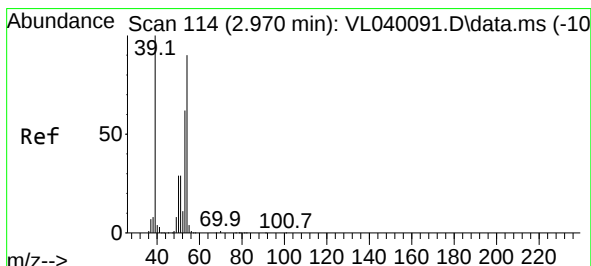
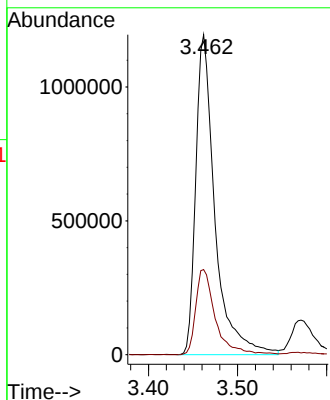
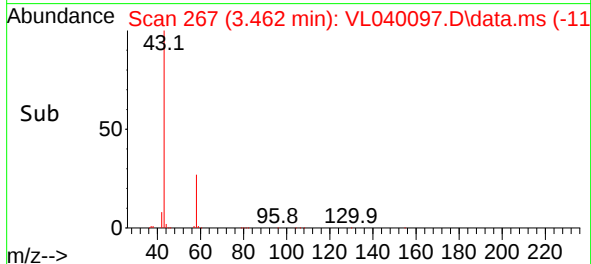
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 1786240
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8

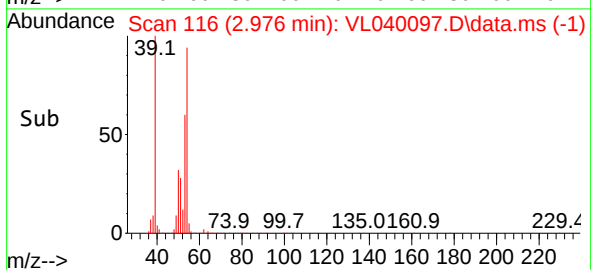
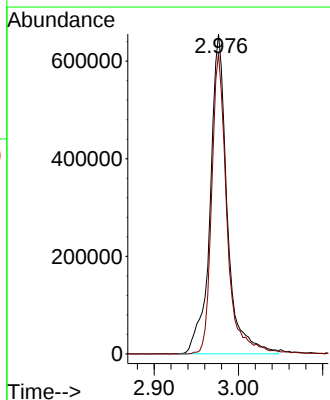
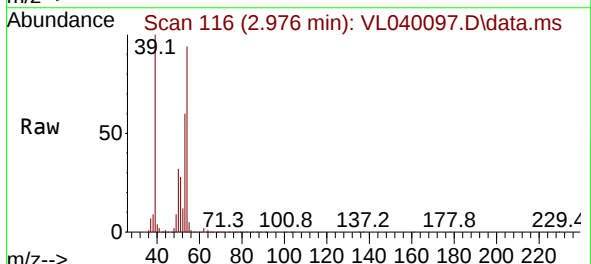
Manual Integrations
APPROVED

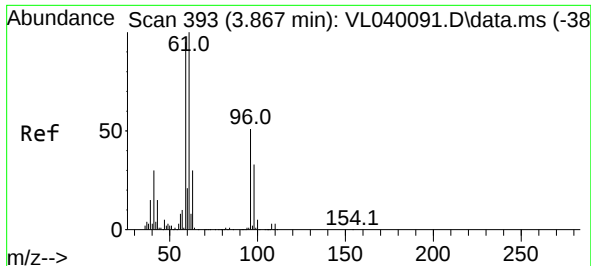
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#16
1,3-Butadiene
Concen: 11.613 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 39 Resp: 924853
Ion Ratio Lower Upper
39 100
54 84.5 67.9 101.9





#17

tert-Butyl alcohol

Concen: 9.146 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 165209

Ion Ratio Lower Upper

59 100

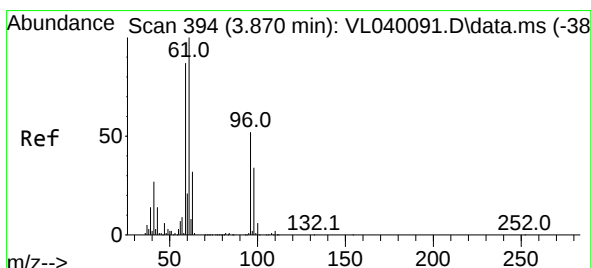
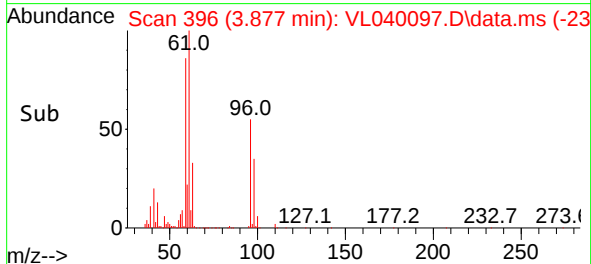
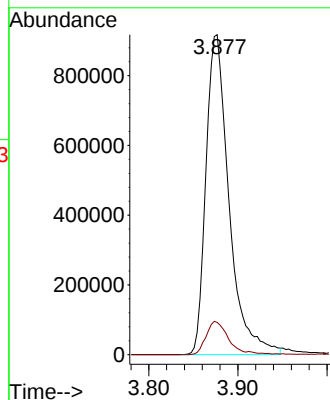
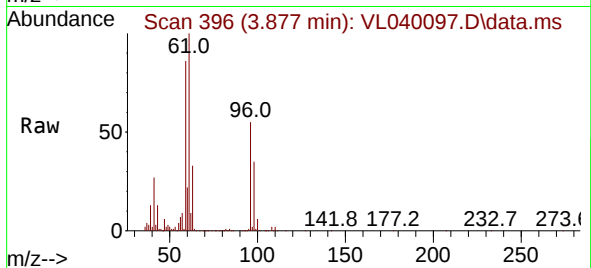
57 10.4 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#18

1,1-Dichloroethene

Concen: 11.300 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

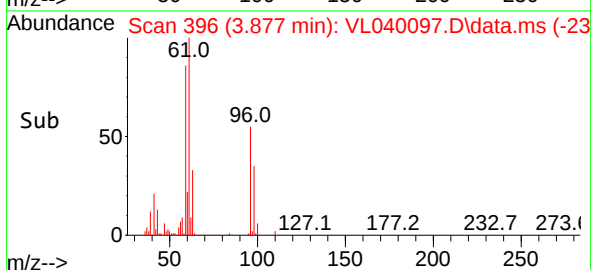
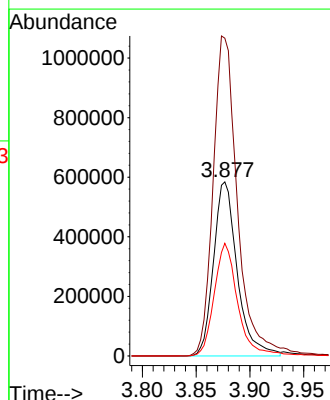
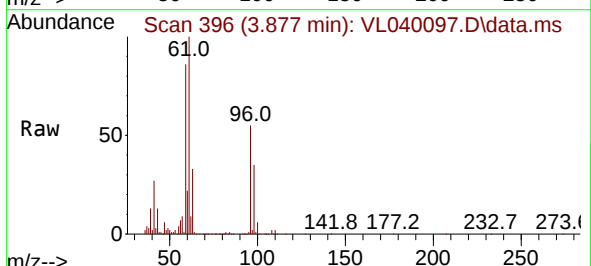
Tgt Ion: 96 Resp: 897385

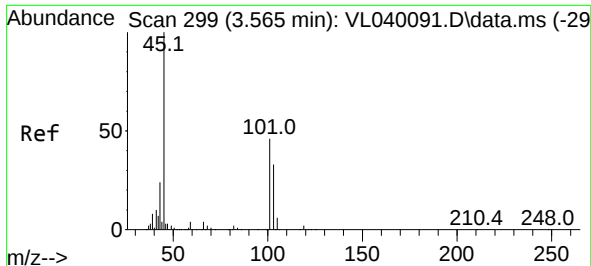
Ion Ratio Lower Upper

96 100

61 182.5 153.0 229.4

98 64.7 52.7 79.1





#19

Isopropyl Alcohol

Concen: 9.441 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 45 Resp: 85251

Ion Ratio Lower Upper

45 100

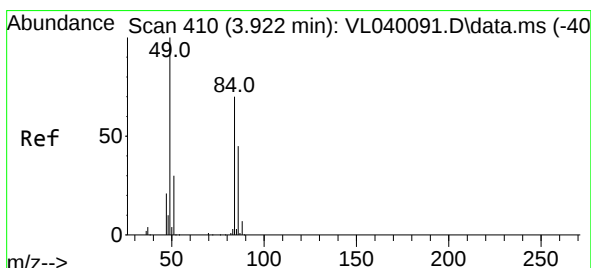
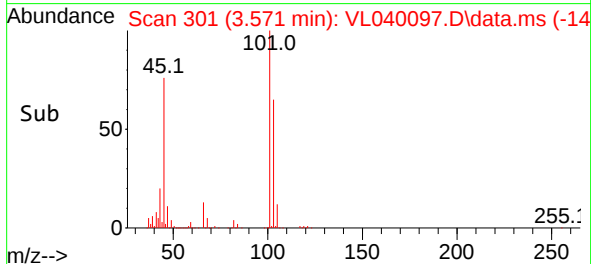
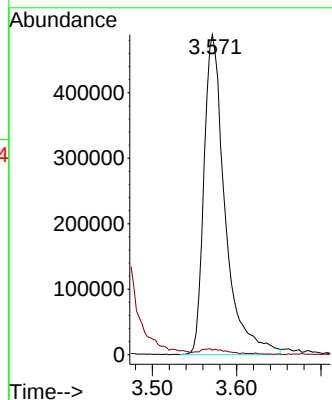
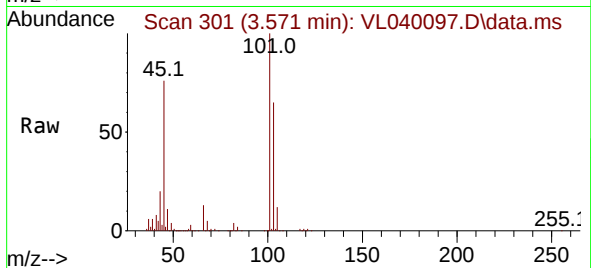
58 2.7 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#20

Methylene Chloride

Concen: 9.764 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 84 Resp: 760457

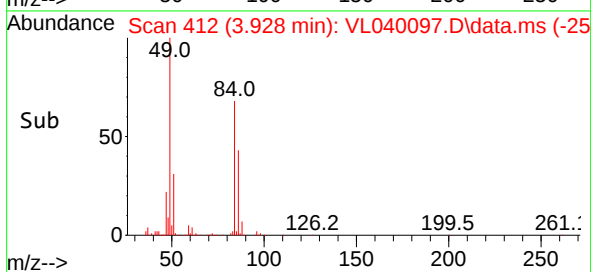
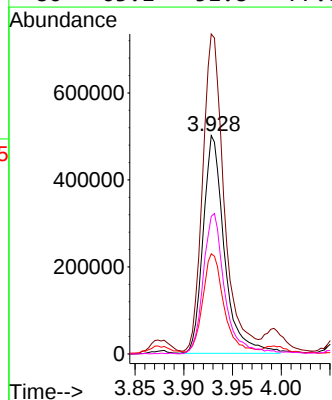
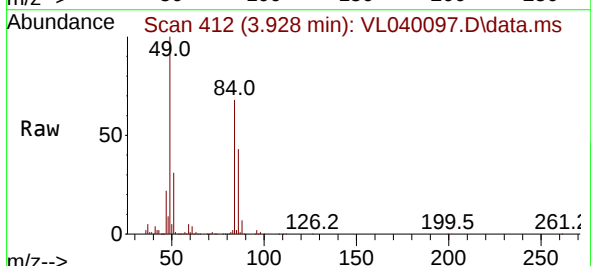
Ion Ratio Lower Upper

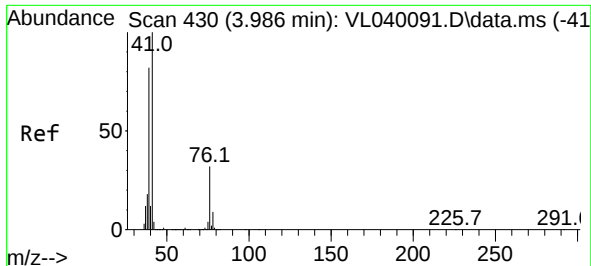
84 100

49 145.4 114.6 171.8

51 44.8 34.3 51.5

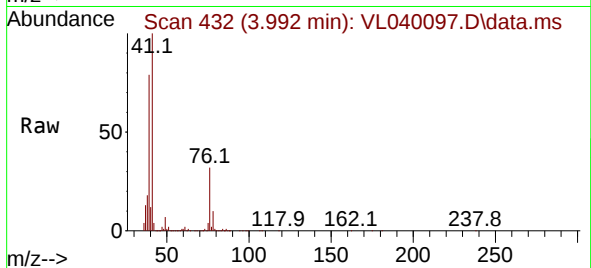
86 63.1 51.8 77.8





#21
 Allyl Chloride
 Concen: 11.540 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

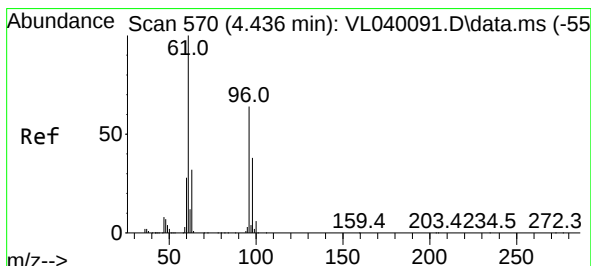
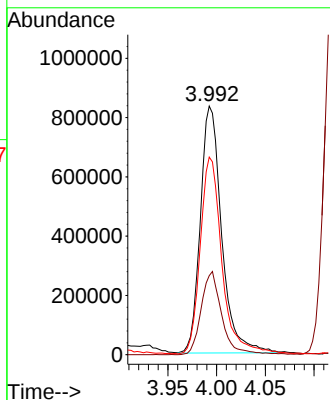
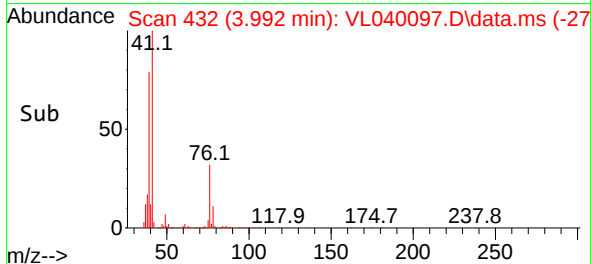
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 1270580
 Ion Ratio Lower Upper
 41 100
 76 32.6 25.9 38.9
 39 81.5 66.8 100.2

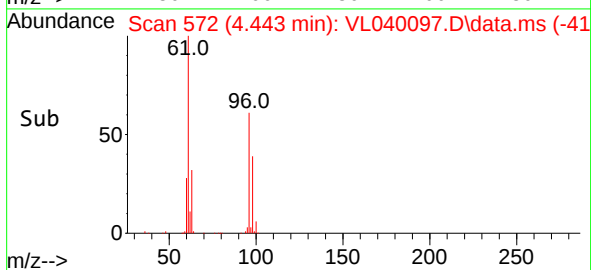
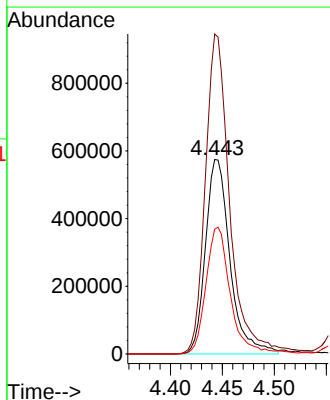
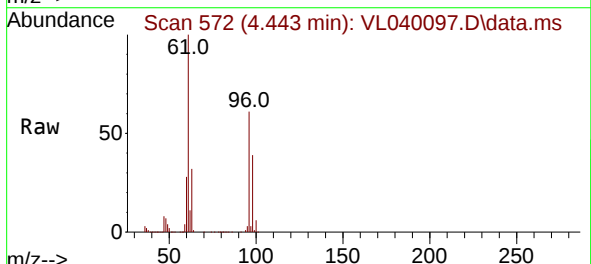
Manual Integrations
 APPROVED

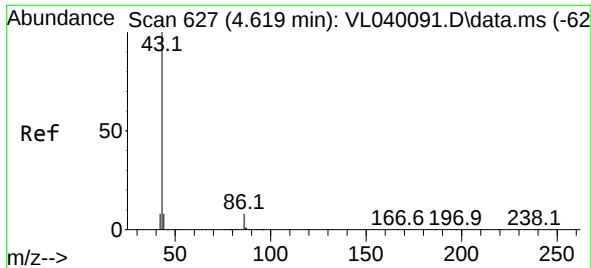
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 11.913 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 96 Resp: 942955
 Ion Ratio Lower Upper
 96 100
 61 164.5 125.8 188.8
 98 64.1 47.4 71.2





#23
 Vinyl Acetate
 Concen: 11.135 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

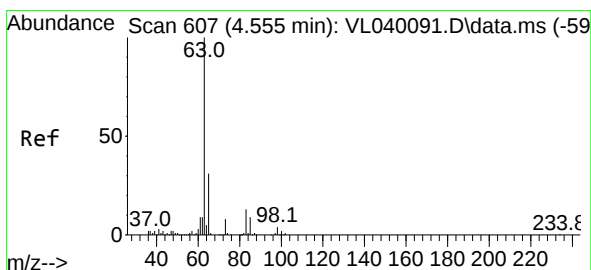
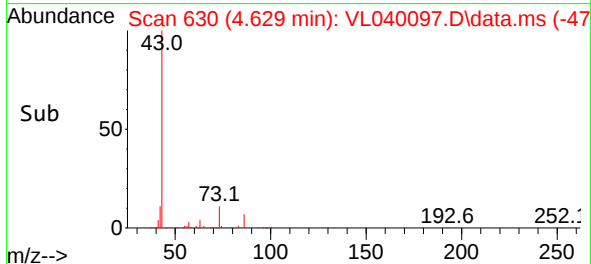
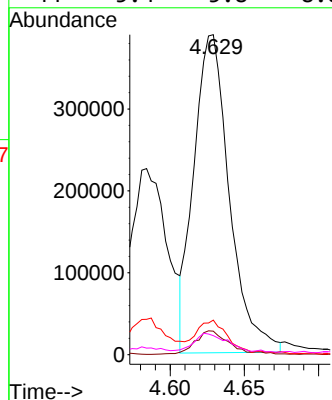
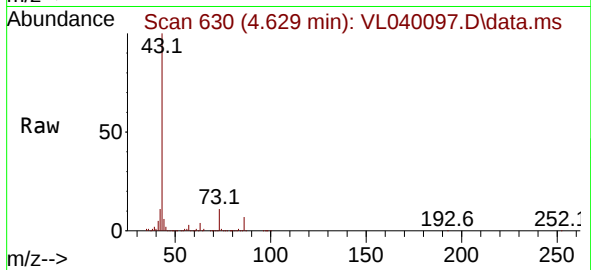
VSTDIC015

Tgt Ion: 43 Resp: 64681
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.6 8.4
 42 10.2 7.7 11.5
 44 5.4 5.8 8.8#

Manual Integrations

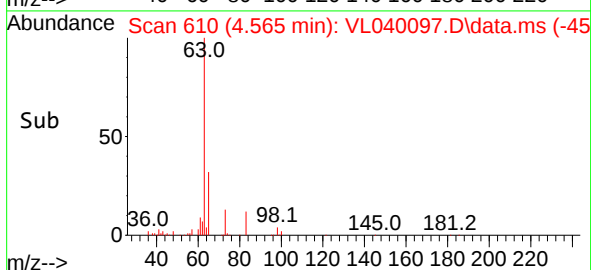
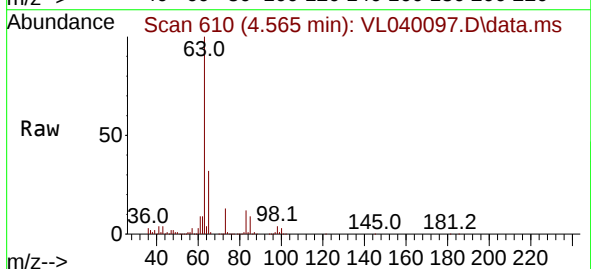
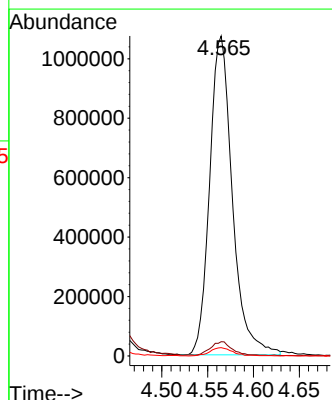
APPROVED

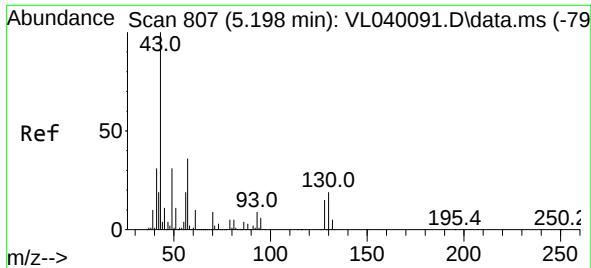
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023



#24
 1,1-Dichloroethane
 Concen: 10.832 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

Tgt Ion: 63 Resp: 1847801
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.0 5.8
 100 2.6 1.1 3.5





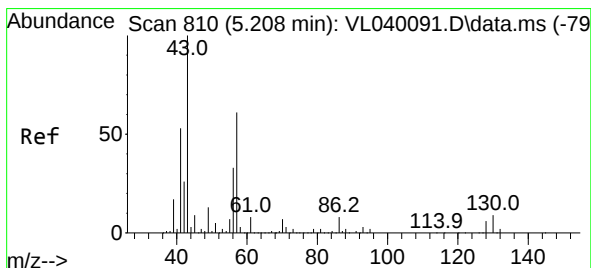
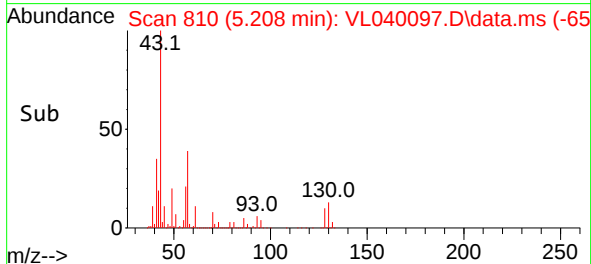
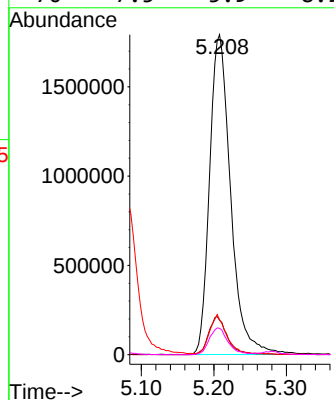
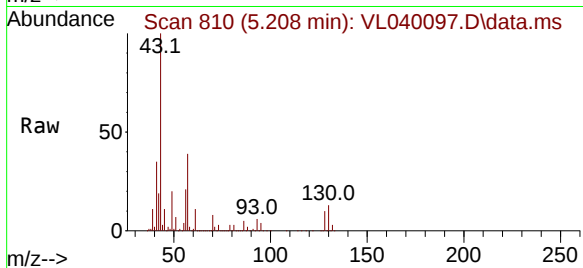
#25
Ethyl Acetate
Concen: 11.351 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 360181
Ion Ratio Lower Upper
43 100
45 10.7 8.5 12.7
61 10.5 8.4 12.6
70 7.5 5.9 8.9

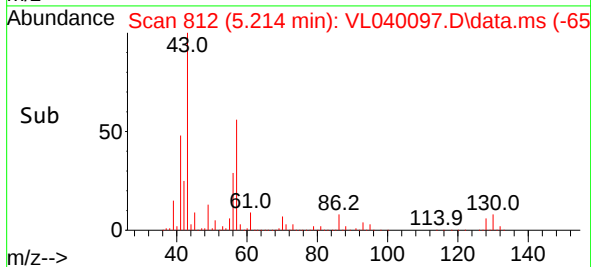
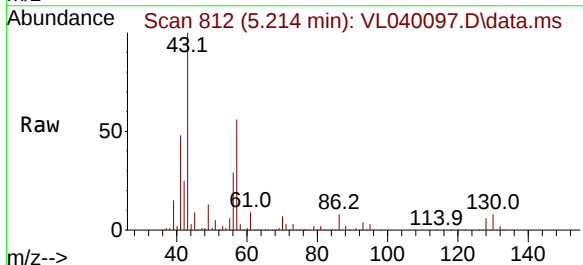
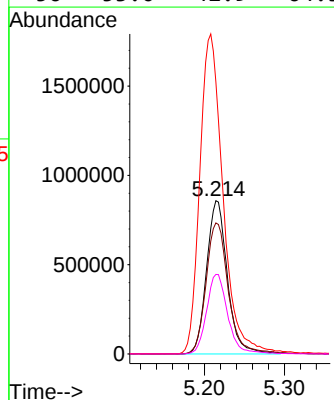
Manual Integrations
APPROVED

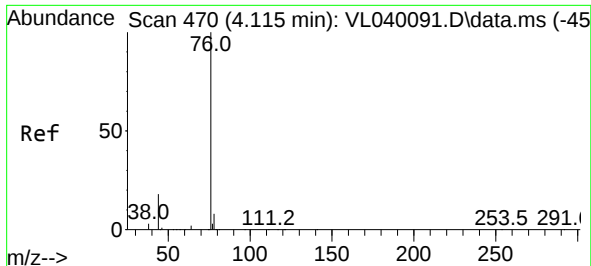
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#26
Hexane
Concen: 11.657 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

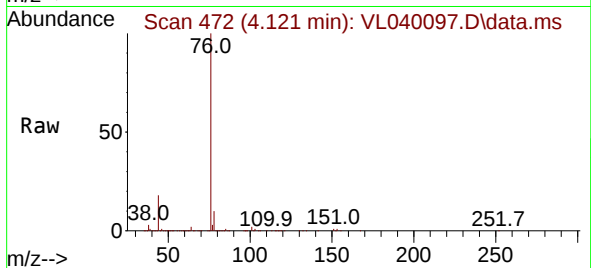
Tgt Ion: 57 Resp: 1554662
Ion Ratio Lower Upper
57 100
41 92.2 72.2 108.4
43 233.1 192.1 288.1
56 53.0 42.9 64.3





#27
Carbon Disulfide
Concen: 13.315 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

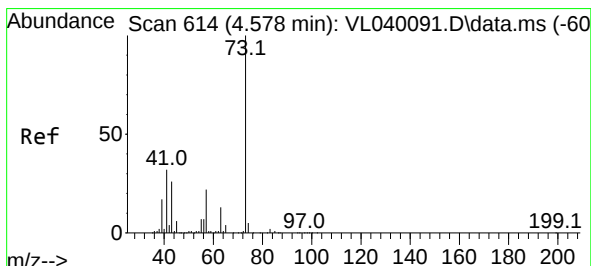
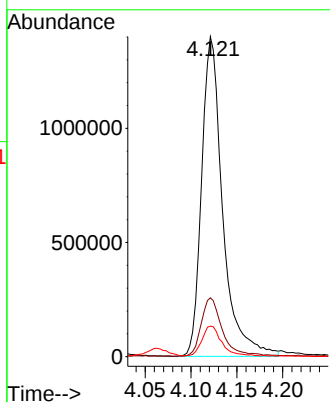
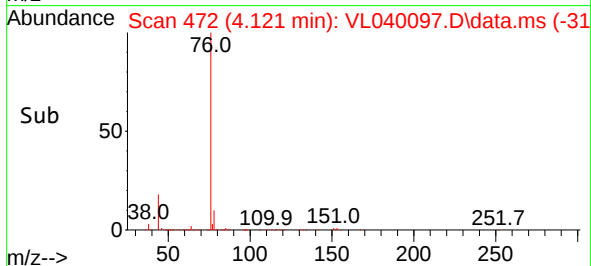
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 223994
Ion Ratio Lower Upper
76 100
44 18.8 14.9 22.3
78 9.9 8.2 12.2

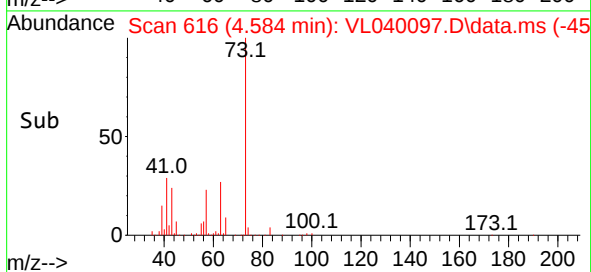
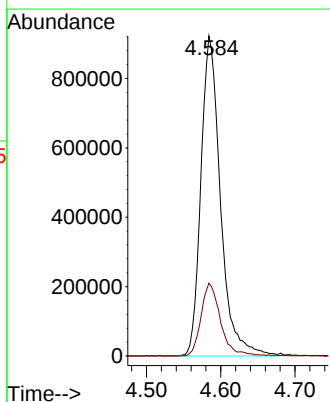
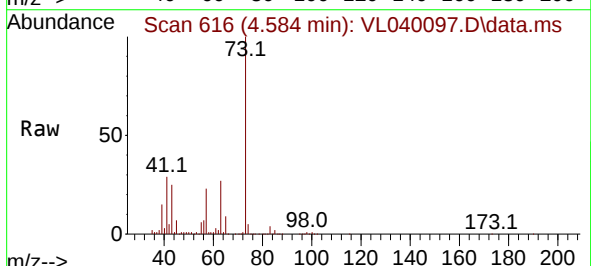
Manual Integrations
APPROVED

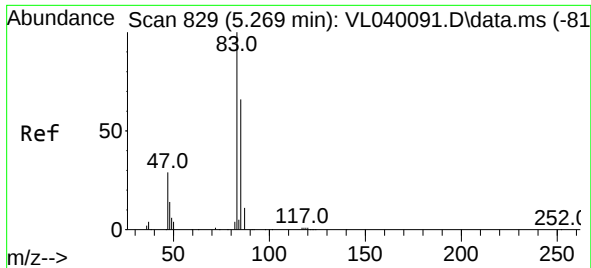
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#28
Methyl tert-Butyl Ether
Concen: 10.732 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

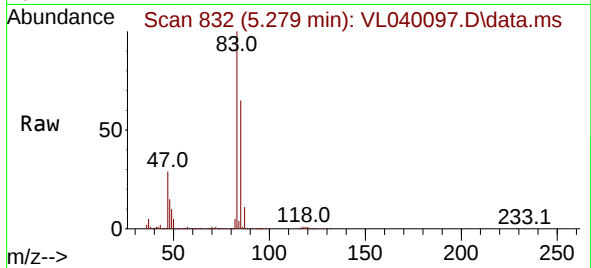
Tgt Ion: 73 Resp: 1686764
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5





#29
Chloroform
Concen: 12.980 ppbv
RT: 5.279 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

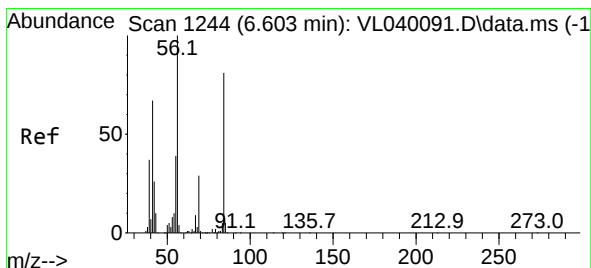
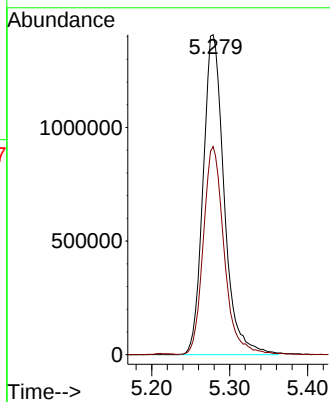
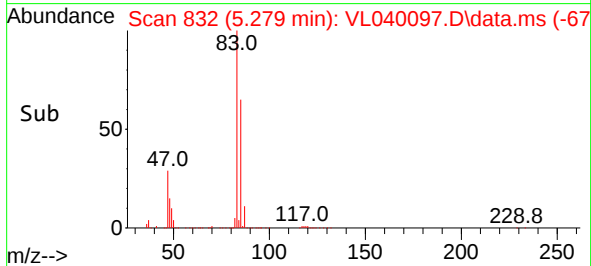
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



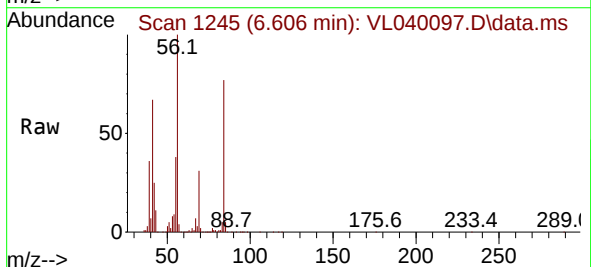
Tgt Ion: 83 Resp: 264179
Ion Ratio Lower Upper
83 100
85 65.0 53.1 79.7

Manual Integrations
APPROVED

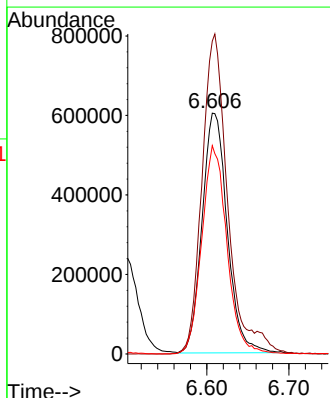
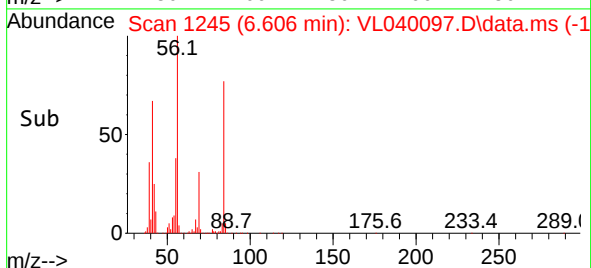
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

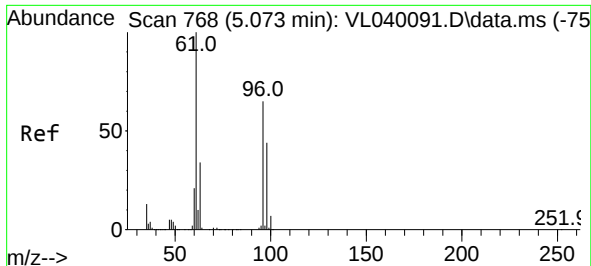


#30
Cyclohexane
Concen: 10.880 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



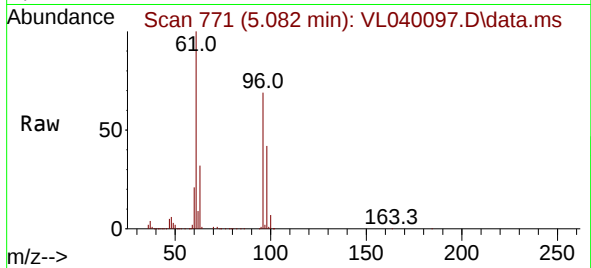
Tgt Ion: 84 Resp: 1285003
Ion Ratio Lower Upper
84 100
56 136.9 111.5 167.3
41 86.9 71.4 107.0





#31
 cis-1,2-Dichloroethene
 Concen: 11.858 ppbv
 RT: 5.082 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07

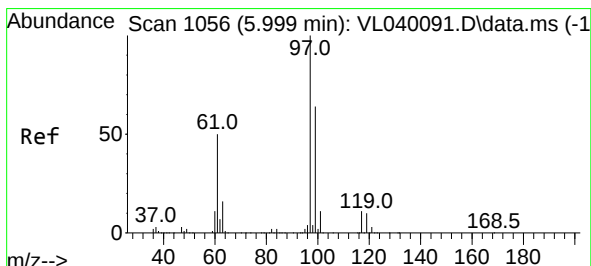
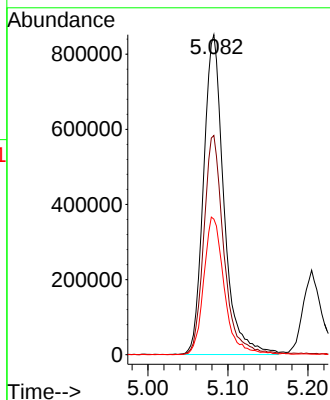
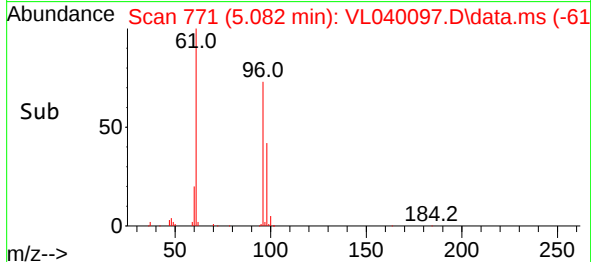
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015



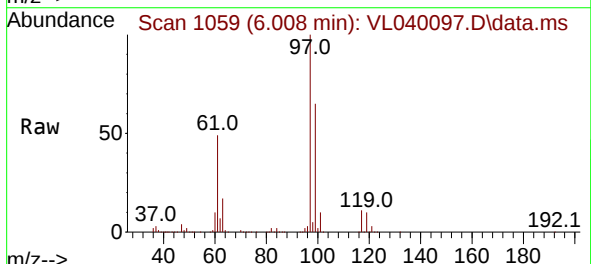
Tgt Ion: 61 Resp: 150609
 Ion Ratio Lower Upper
 61 100
 96 68.5 52.0 78.0
 98 42.4 35.3 52.9

Manual Integrations
 APPROVED

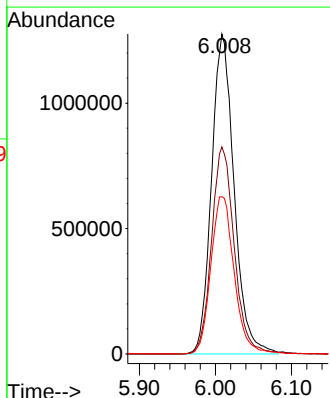
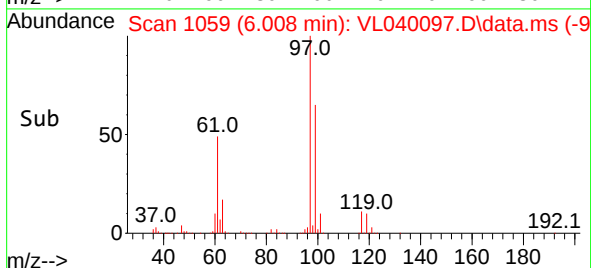
Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

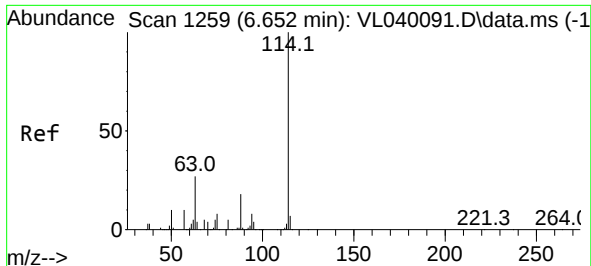


#32
 1,1,1-Trichloroethane
 Concen: 12.054 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. 0.010 min
 Lab File: VL040097.D
 Acq: 16 Jan 2023 14:07



Tgt Ion: 97 Resp: 2626389
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 51.3 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 2931378

Ion Ratio Lower Upper

114 100

63 26.6 21.8 32.8

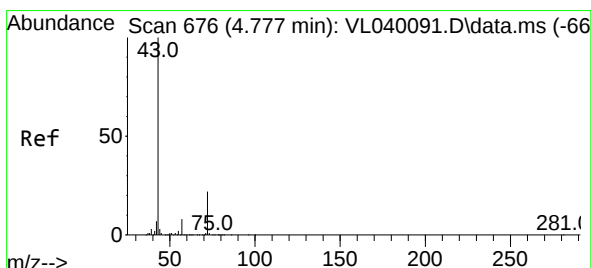
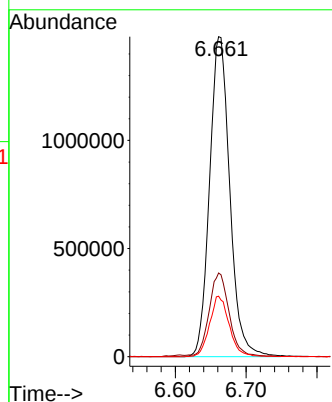
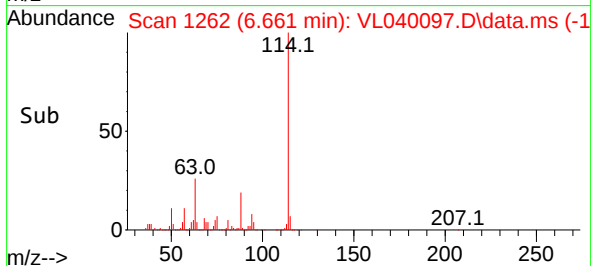
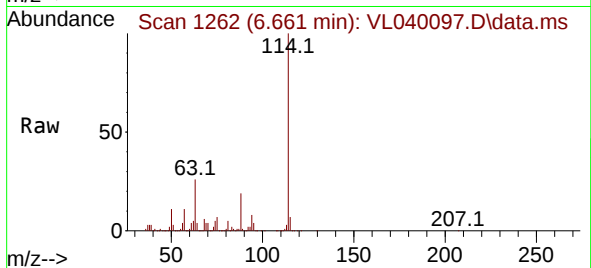
88 18.4 14.8 22.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#34

2-Butanone

Concen: 12.911 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.010 min

Lab File: VL040097.D

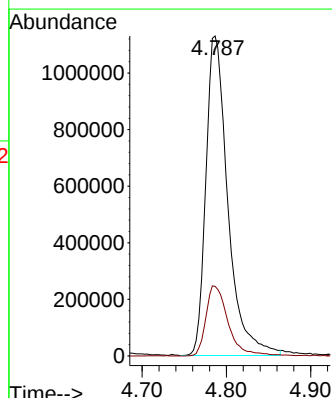
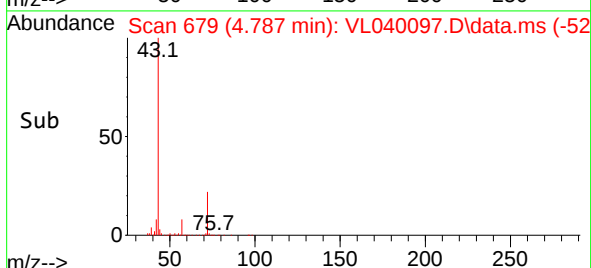
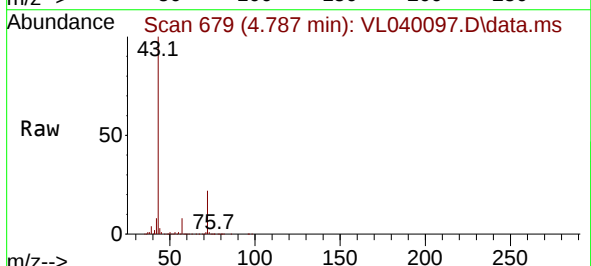
Acq: 16 Jan 2023 14:07

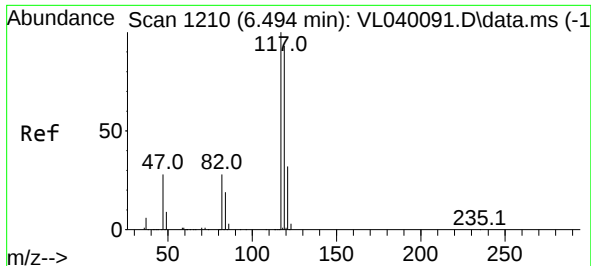
Tgt Ion: 43 Resp: 2053144

Ion Ratio Lower Upper

43 100

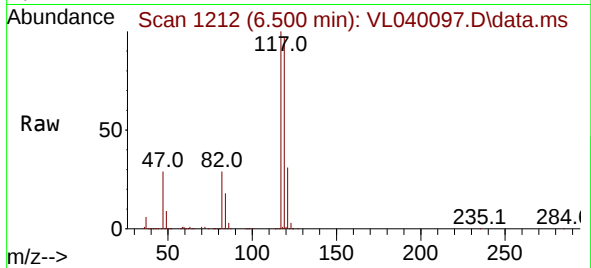
72 22.4 18.4 27.6





#35
Carbon Tetrachloride
Concen: 15.071 ppbv
RT: 6.500 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

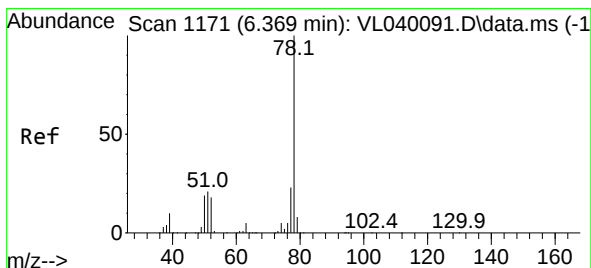
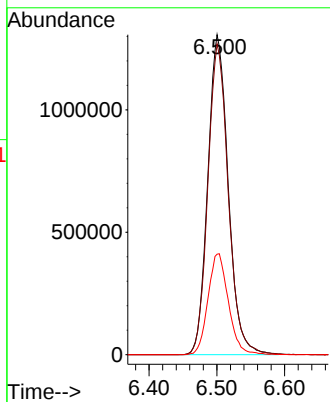
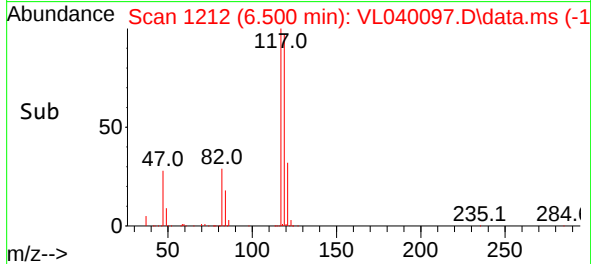
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 274398
Ion Ratio Lower Upper
117 100
119 97.1 74.5 111.7
121 31.4 25.4 38.0

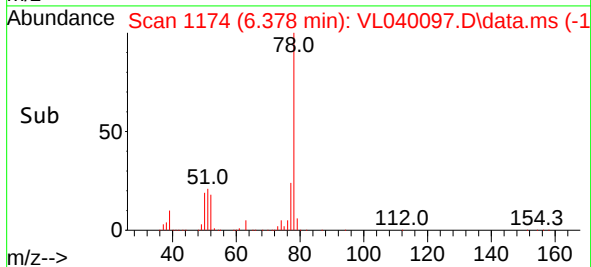
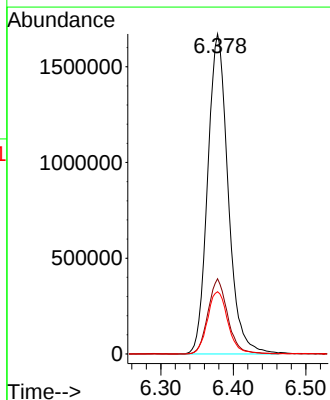
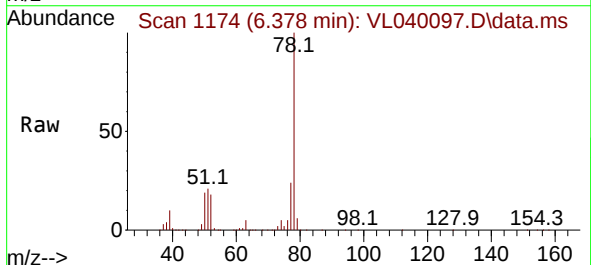
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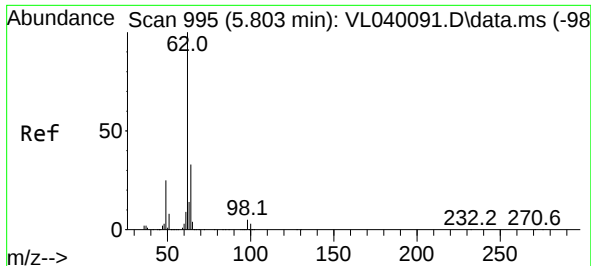
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#36
Benzene
Concen: 12.496 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 78 Resp: 3271502
Ion Ratio Lower Upper
78 100
77 23.5 18.1 27.1
50 19.4 15.6 23.4





#37

1,2-Dichloroethane

Concen: 13.452 ppbv

RT: 5.812 min Scan# 995

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 62 Resp: 2066010

Ion Ratio Lower Upper

62 100

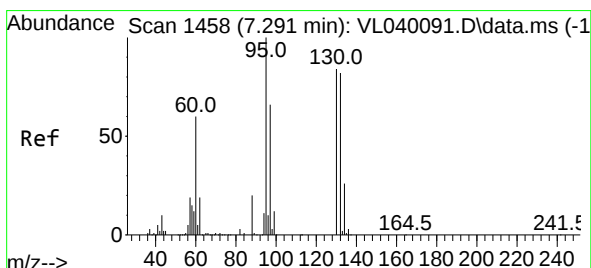
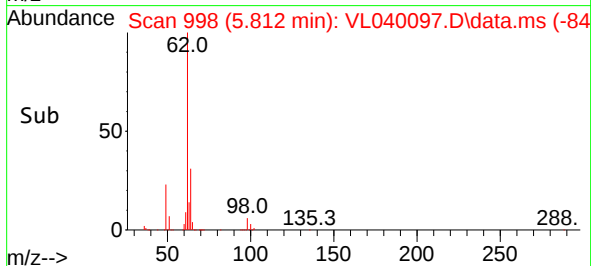
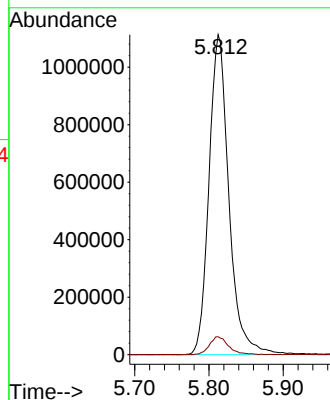
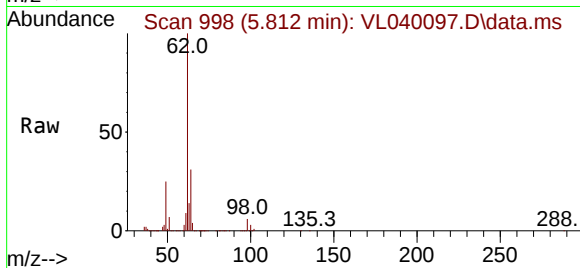
98 5.6 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#38

Trichloroethene

Concen: 14.588 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion:130 Resp: 1962597

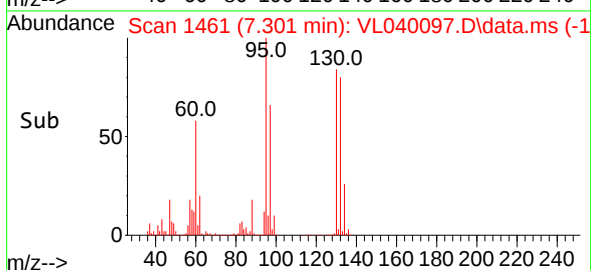
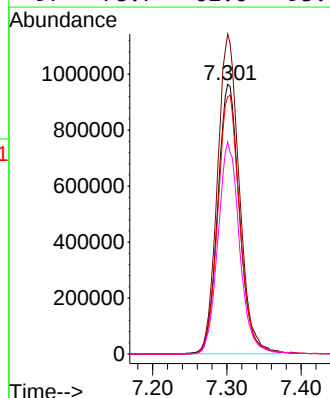
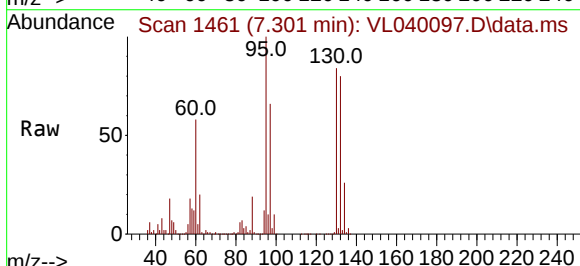
Ion Ratio Lower Upper

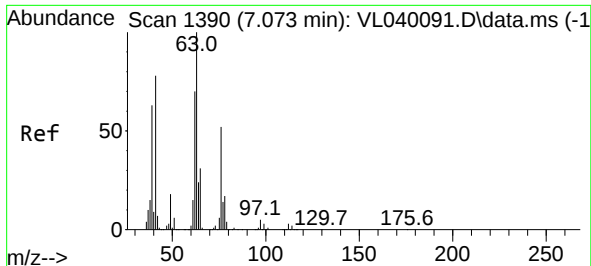
130 100

95 118.8 95.0 142.6

132 95.4 77.9 116.9

97 78.7 62.6 93.8





#39

1,2-Dichloropropane

Concen: 12.962 ppbv

RT: 7.082 min Scan# 1390

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 1271998

Ion Ratio Lower Upper

63 100

41 74.3 62.2 93.4

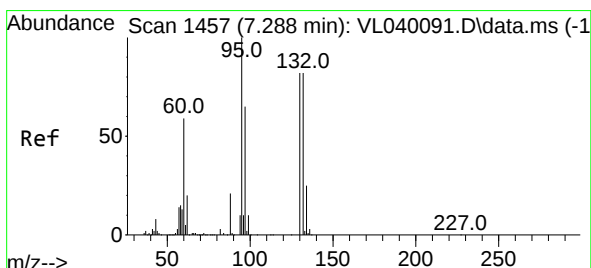
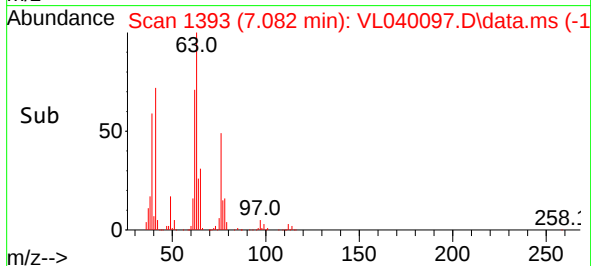
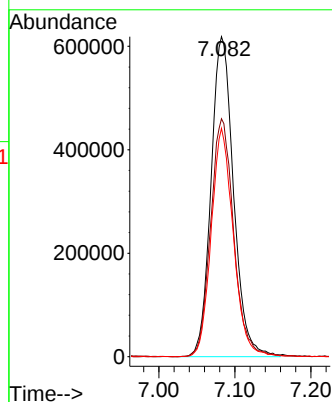
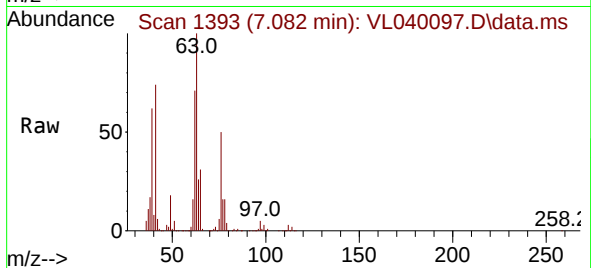
62 71.3 55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#40

1,4-Dioxane

Concen: 11.145 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion: 88 Resp: 492918

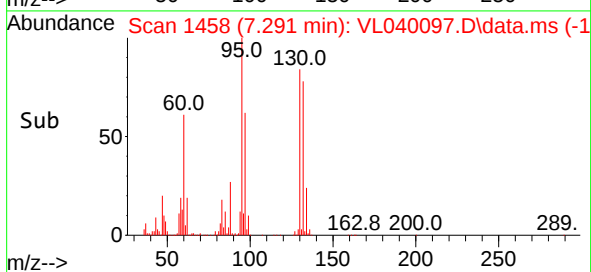
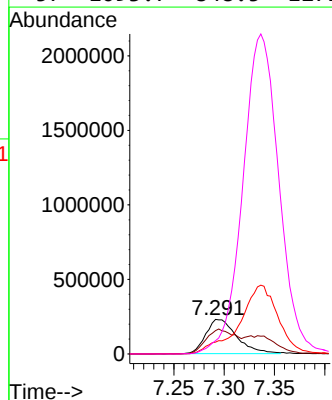
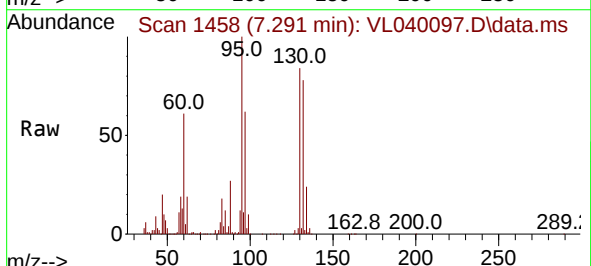
Ion Ratio Lower Upper

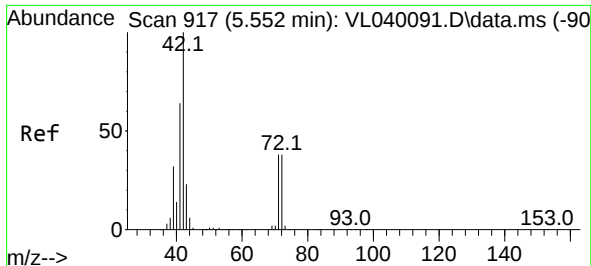
88 100

58 124.0 97.5 146.3

43 251.2 195.0 292.4

57 1093.7 848.5 1272.7





#41

Tetrahydrofuran

Concen: 12.625 ppbv

RT: 5.558 min Scan# 917

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1253208

Ion Ratio Lower Upper

42 100

72 40.8 31.9 47.9

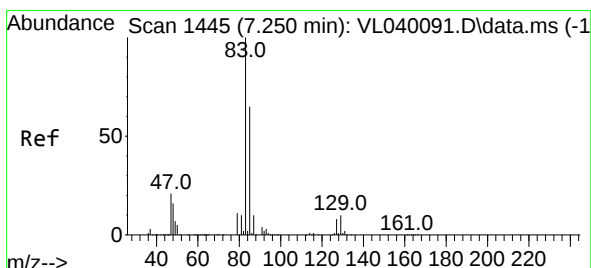
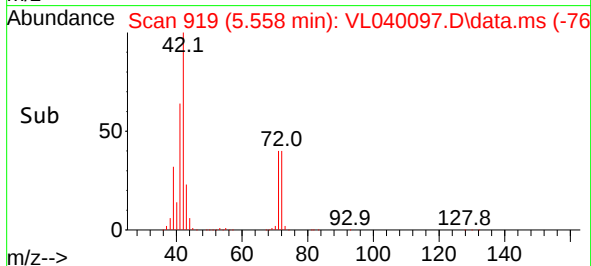
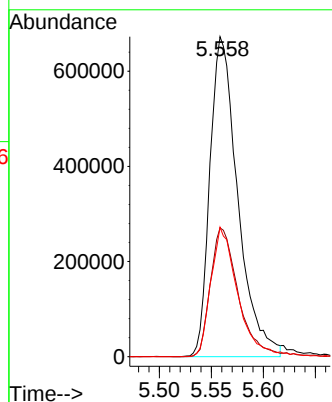
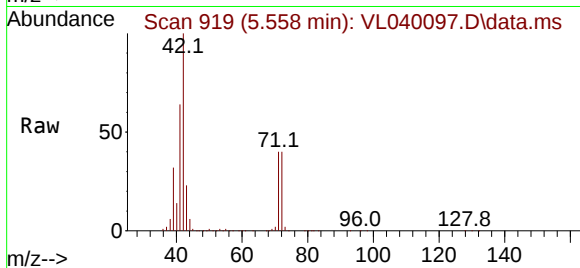
71 39.4 31.4 47.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#42

Bromodichloromethane

Concen: 14.057 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

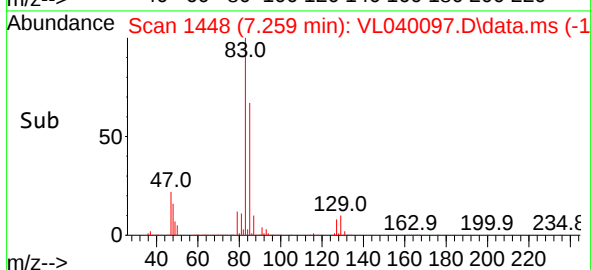
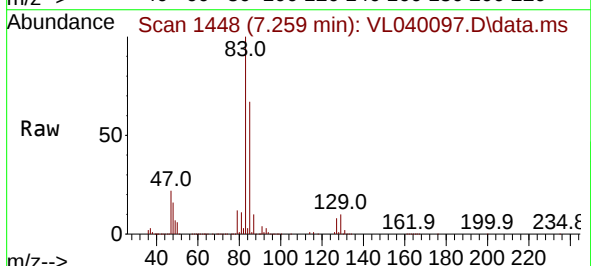
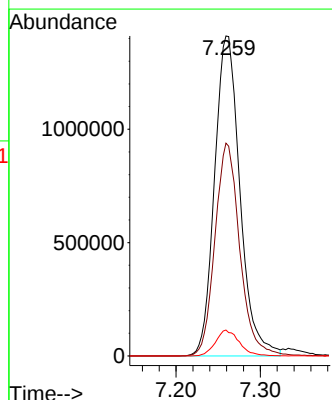
Tgt Ion: 83 Resp: 2957666

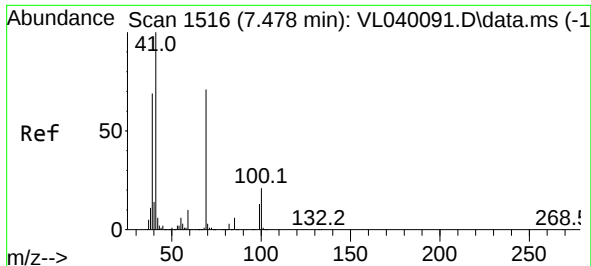
Ion Ratio Lower Upper

83 100

85 66.5 51.7 77.5

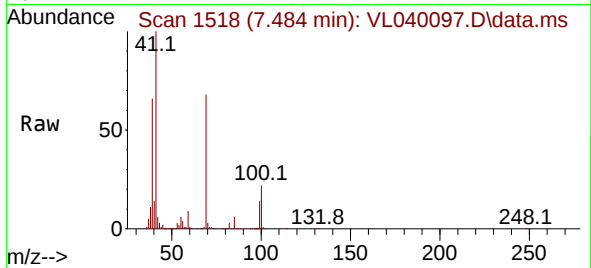
127 8.1 6.2 9.2





#43
Methyl Methacrylate
Concen: 13.640 ppbv
RT: 7.484 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

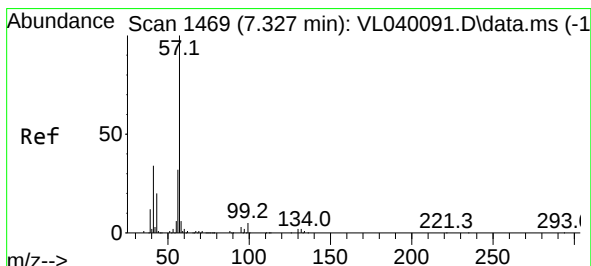
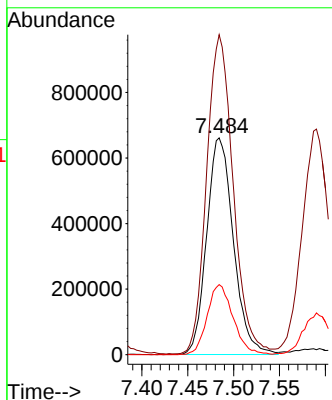
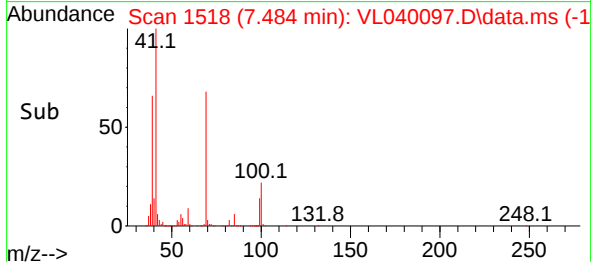
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



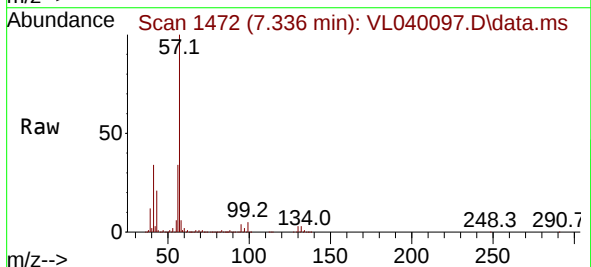
Tgt Ion: 69 Resp: 134020
Ion Ratio Lower Upper
69 100
41 146.7 118.2 177.2
100 31.4 24.2 36.4

Manual Integrations
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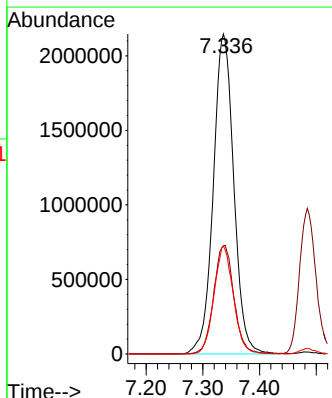
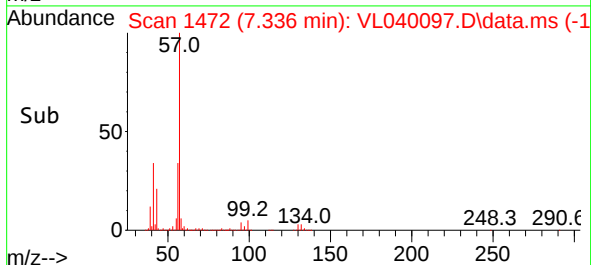
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

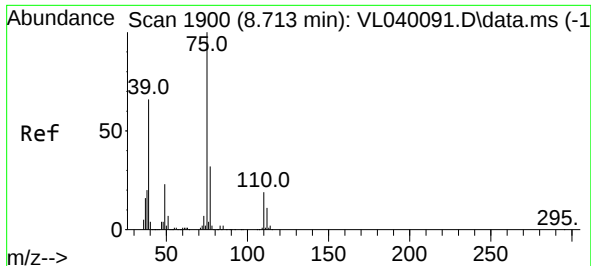


#44
2,2,4-Trimethylpentane
Concen: 12.497 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



Tgt Ion: 57 Resp: 5386333
Ion Ratio Lower Upper
57 100
41 33.6 27.1 40.7
56 31.9 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 16.720 ppbv

RT: 8.725 min Scan# 1900

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 138844

Ion Ratio Lower Upper

75 100

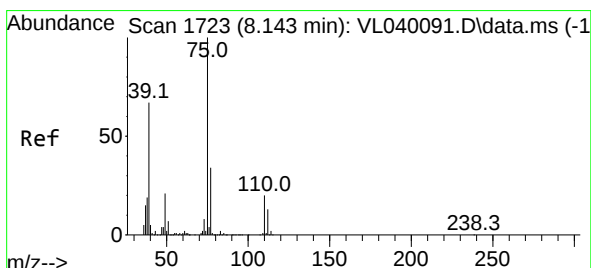
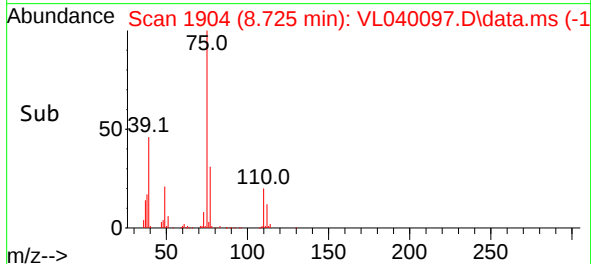
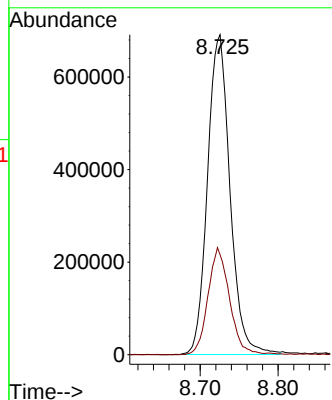
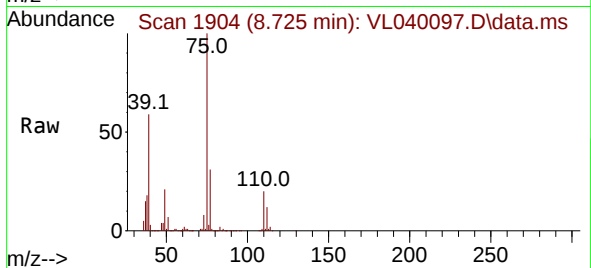
77 31.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#46

cis-1,3-Dichloropropene

Concen: 15.300 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

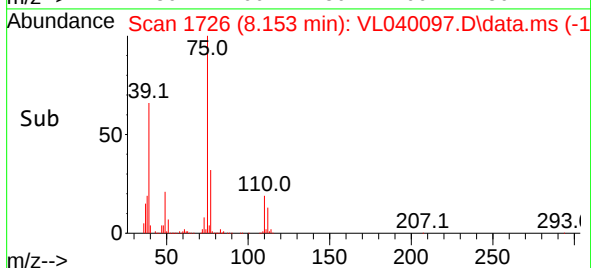
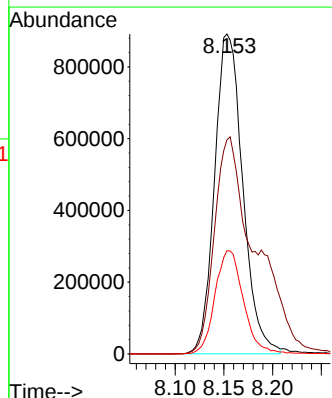
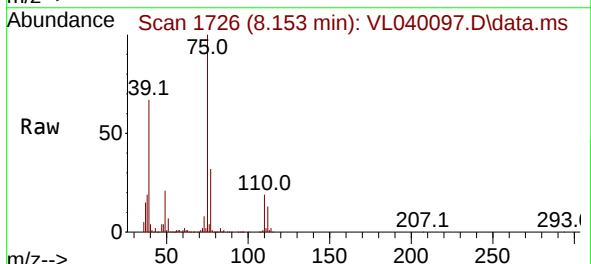
Tgt Ion: 75 Resp: 1791984

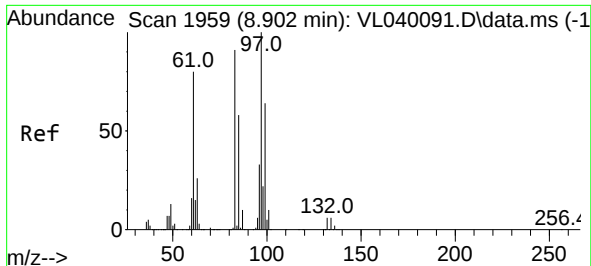
Ion Ratio Lower Upper

75 100

39 66.8 53.6 80.4

77 32.2 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 13.002 ppbv

RT: 8.912 min Scan# 1959

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 139723

Ion Ratio Lower Upper

97 100

83 90.6 72.9 109.3

85 59.1 46.0 69.0

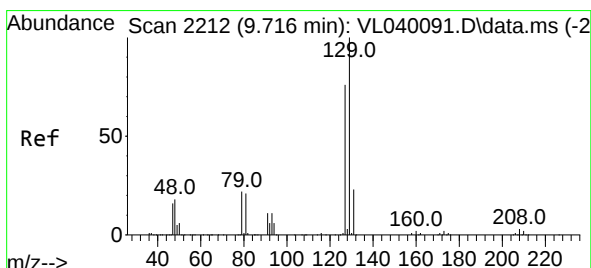
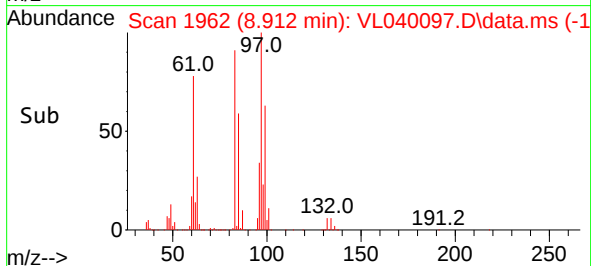
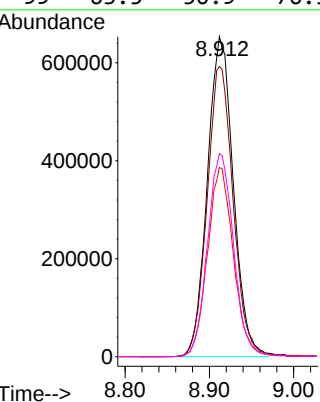
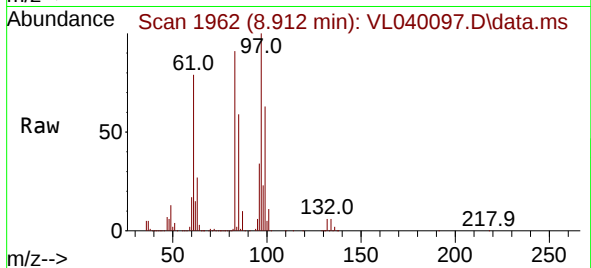
99 63.5 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#48

Dibromochloromethane

Concen: 15.065 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. 0.010 min

Lab File: VL040097.D

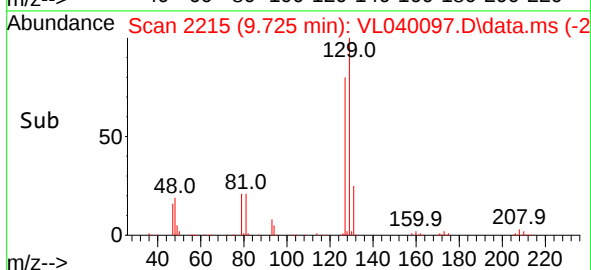
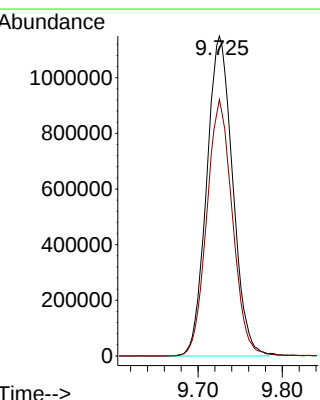
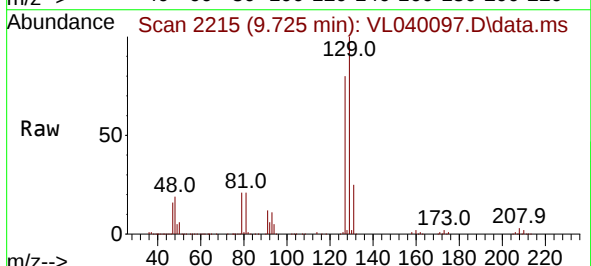
Acq: 16 Jan 2023 14:07

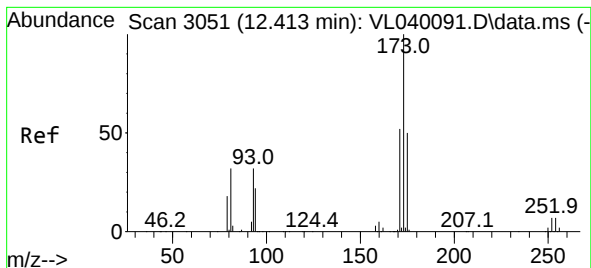
Tgt Ion:129 Resp: 2462019

Ion Ratio Lower Upper

129 100

127 79.2 39.3 117.9





#49

Bromoform

Concen: 16.177 ppbv

RT: 12.423 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 2016830

Ion Ratio Lower Upper

173 100

175 49.0 39.7 59.5

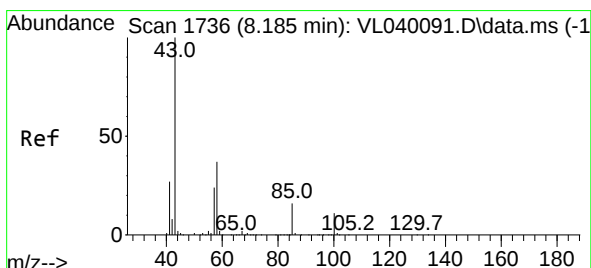
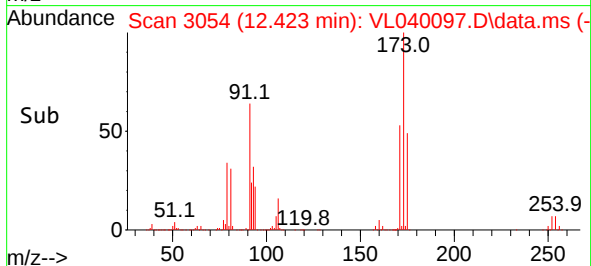
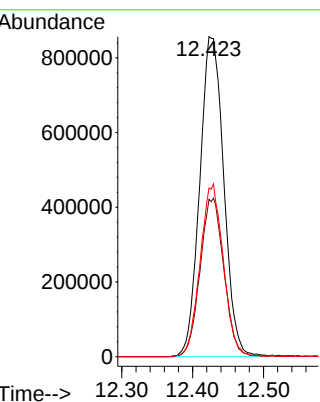
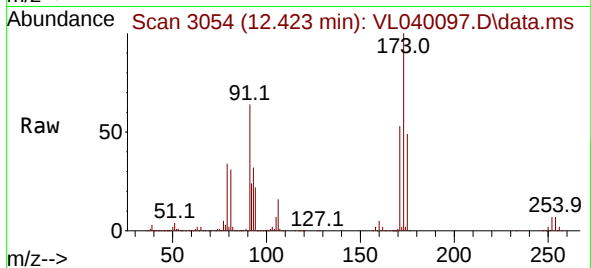
171 52.5 42.2 63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#50

4-Methyl-2-Pentanone

Concen: 13.291 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. 0.006 min

Lab File: VL040097.D

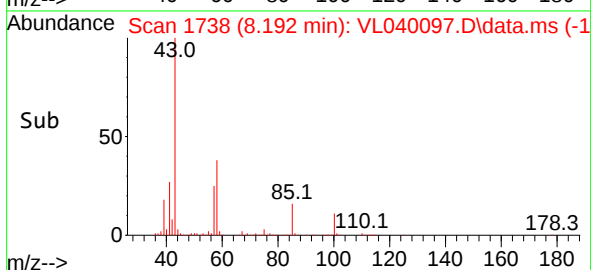
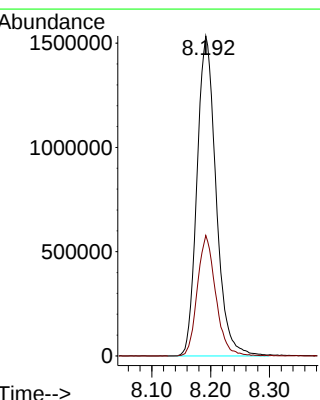
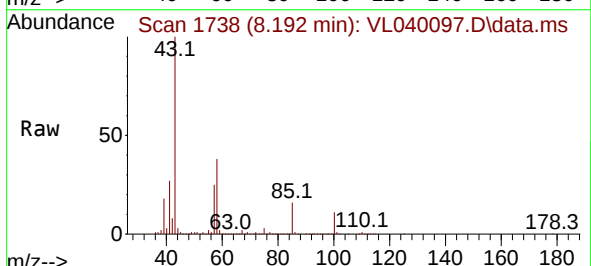
Acq: 16 Jan 2023 14:07

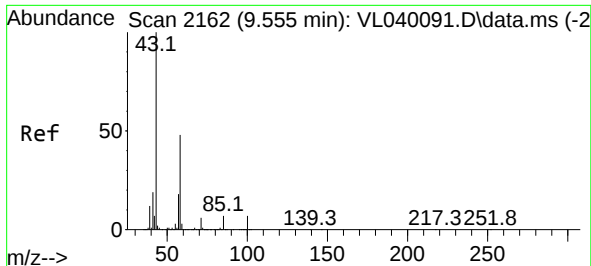
Tgt Ion: 43 Resp: 3452931

Ion Ratio Lower Upper

43 100

58 36.4 28.8 43.2





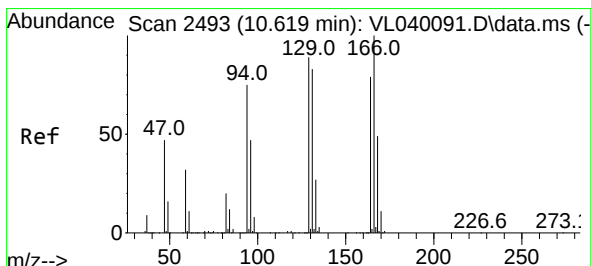
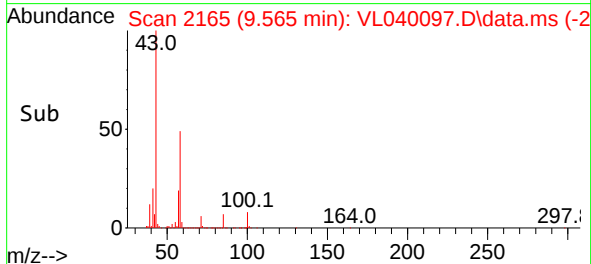
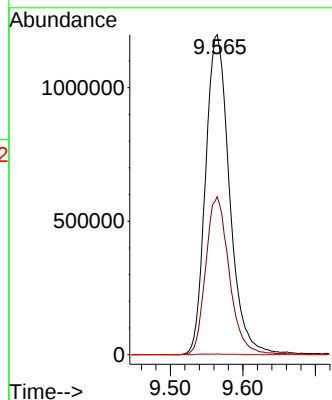
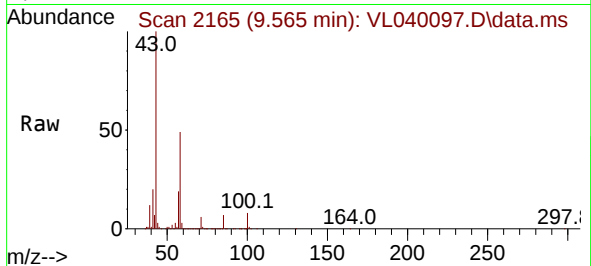
#51
2-Hexanone
Concen: 13.621 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 2752624
Ion Ratio Lower Upper
43 100
58 48.7 37.5 56.3
98 0.3 0.4 0.6

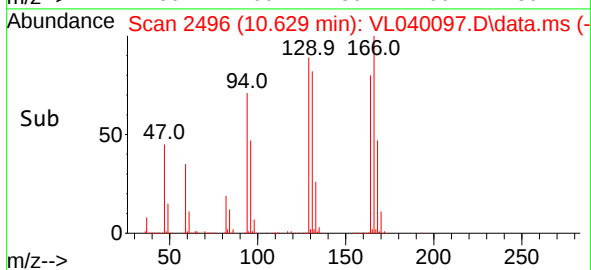
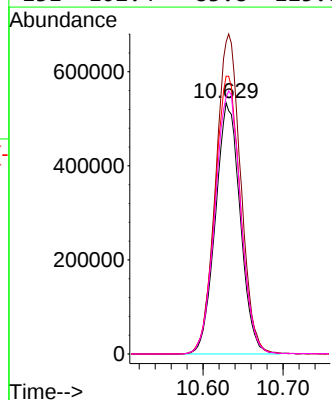
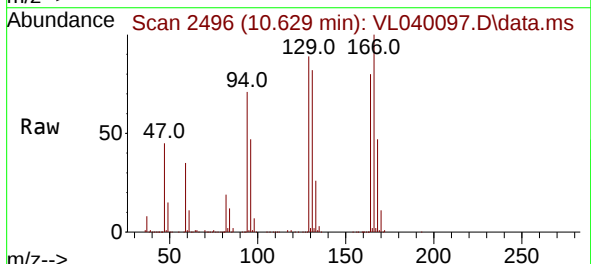
Manual Integrations
APPROVED

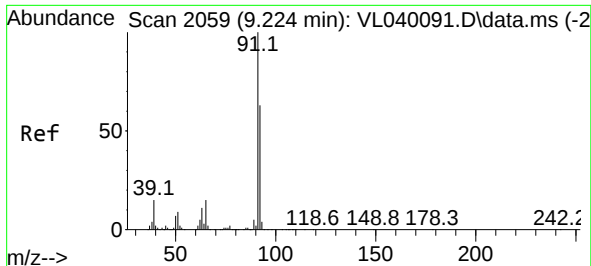
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#52
Tetrachloroethene
Concen: 12.916 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

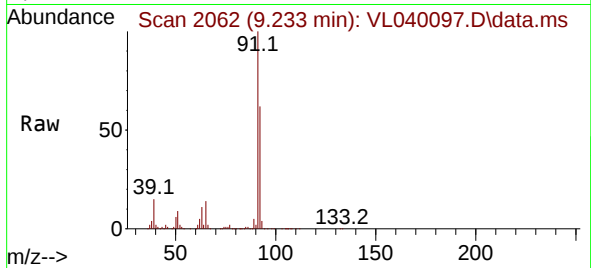
Tgt Ion:164 Resp: 1149633
Ion Ratio Lower Upper
164 100
166 124.2 101.2 151.8
129 110.6 90.2 135.2
131 102.4 83.8 125.8





#53
Toluene
Concen: 13.074 ppbv
RT: 9.233 min Scan# 2059
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

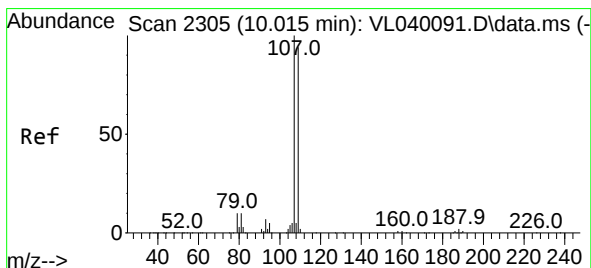
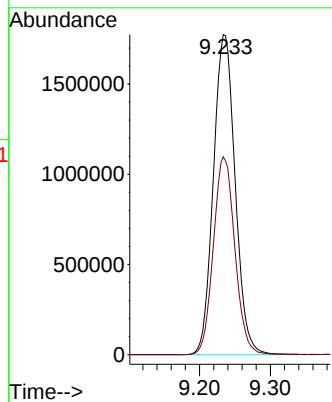
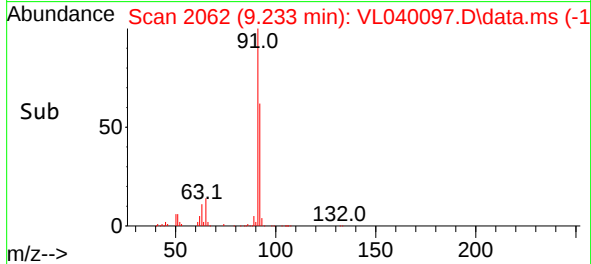
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



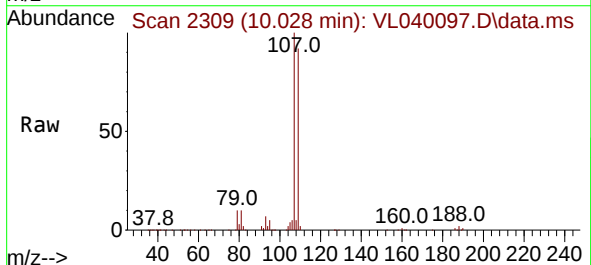
Tgt Ion: 91 Resp: 378961
Ion Ratio Lower Upper
91 100
92 61.0 48.3 72.5

Manual Integrations
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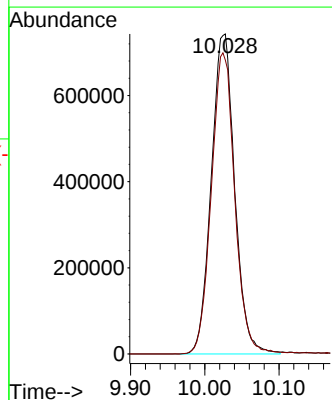
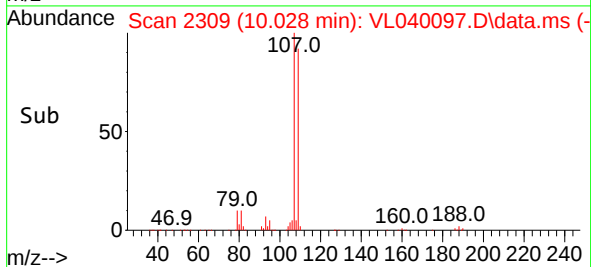
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

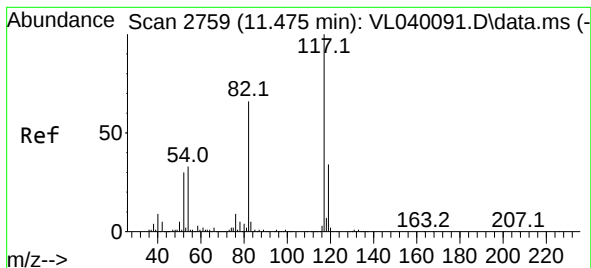


#54
1,2-Dibromoethane
Concen: 14.062 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



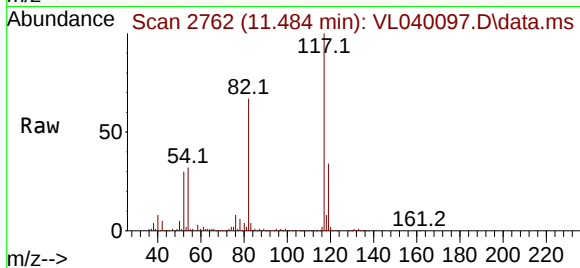
Tgt Ion:107 Resp: 1627331
Ion Ratio Lower Upper
107 100
109 91.9 75.0 112.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.484 min Scan# 2759
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

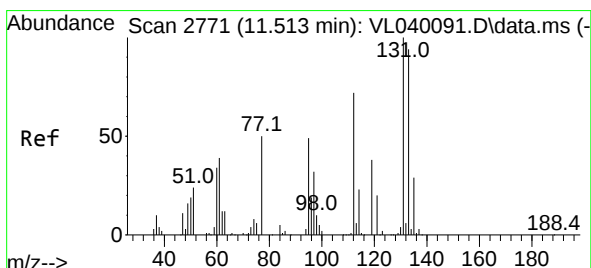
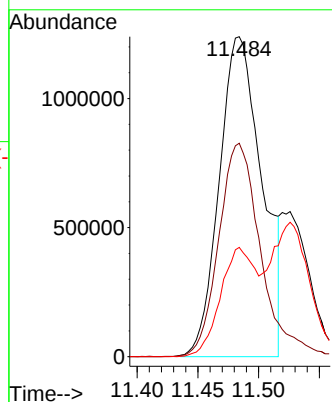
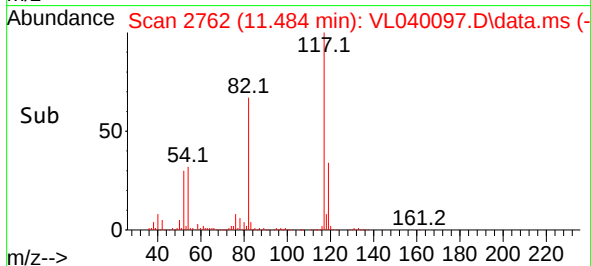
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



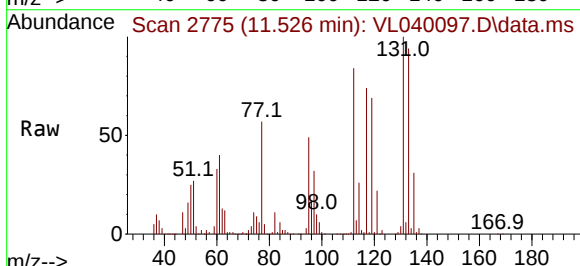
Tgt Ion:117 Resp: 303118
Ion Ratio Lower Upper
117 100
82 66.0 54.4 81.6
119 27.8 26.8 40.2

Manual Integrations
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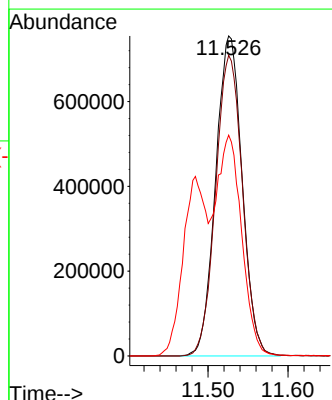
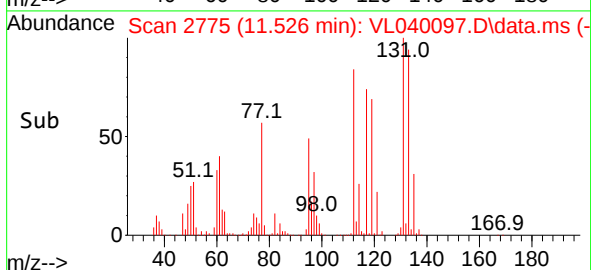
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

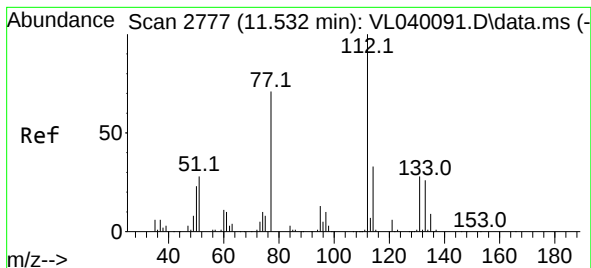


#56
1,1,1,2-Tetrachloroethane
Concen: 12.413 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



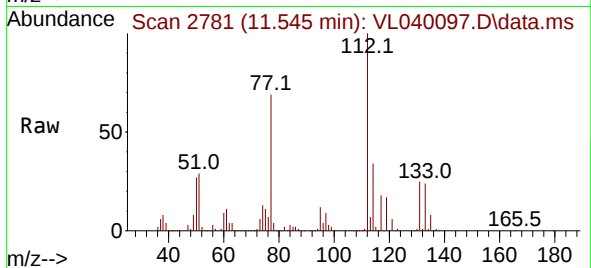
Tgt Ion:131 Resp: 1735609
Ion Ratio Lower Upper
131 100
133 95.2 75.6 113.4
119 65.6 47.2 70.8





#57
Chlorobenzene
Concen: 11.556 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

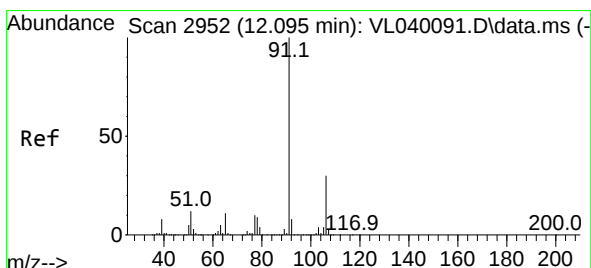
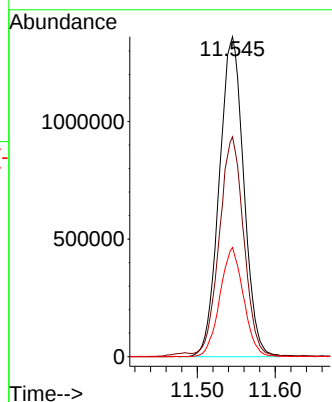
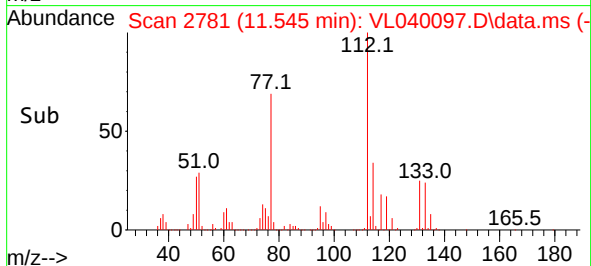
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 112 Resp: 2973420
Ion Ratio Lower Upper
112 100
77 68.4 57.3 85.9
114 34.2 29.6 36.2

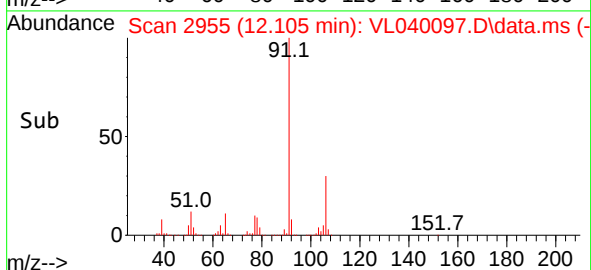
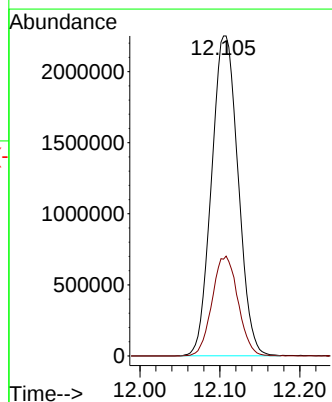
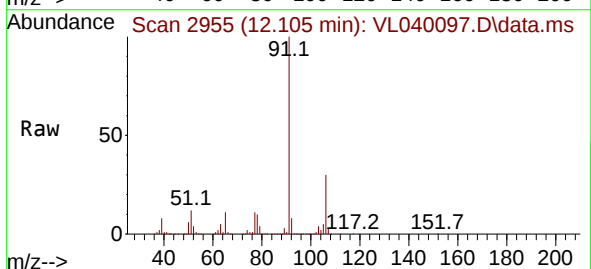
Manual Integrations
APPROVED

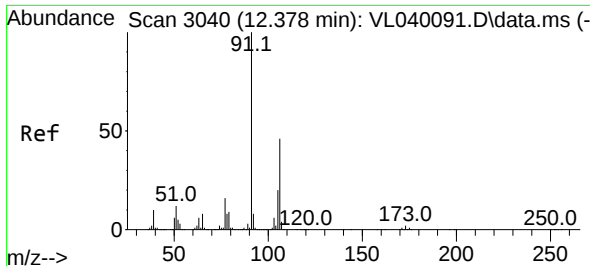
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#58
Ethyl Benzene
Concen: 12.037 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

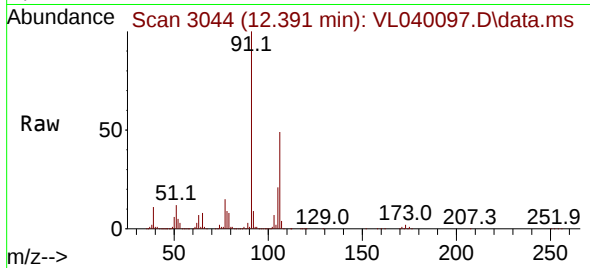
Tgt Ion: 91 Resp: 5184022
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5





#59
m/p-Xylene
Concen: 23.889 ppbv m
RT: 12.391 min Scan# 3044
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

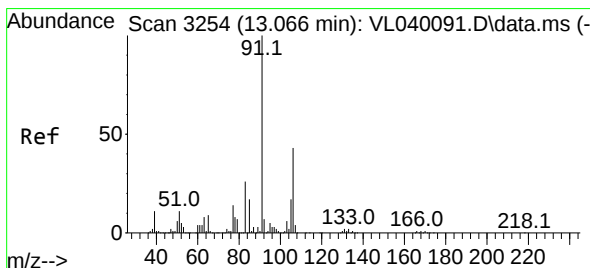
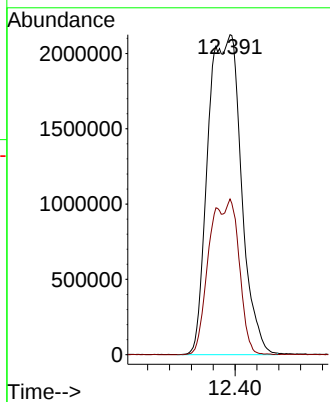
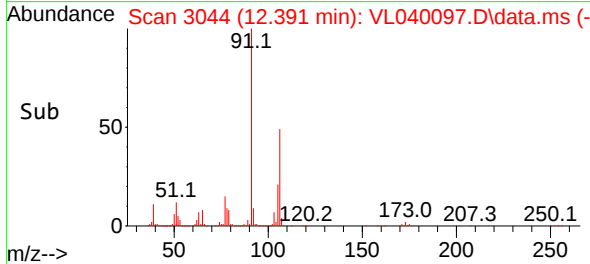
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



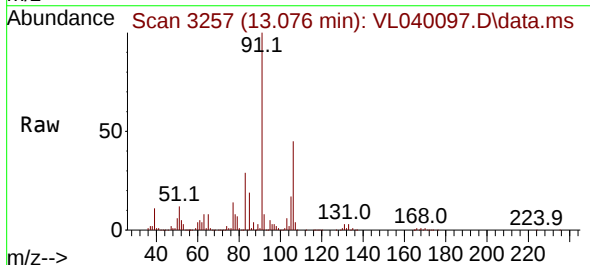
Tgt Ion: 91 Resp: 8962698
Ion Ratio Lower Upper
91 100
106 43.9 34.2 51.4

Manual Integrations
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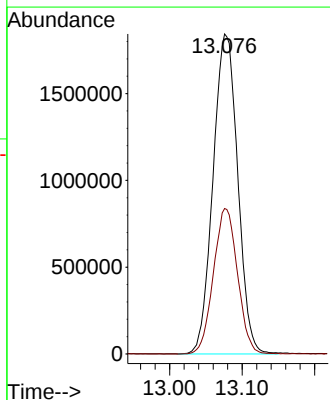
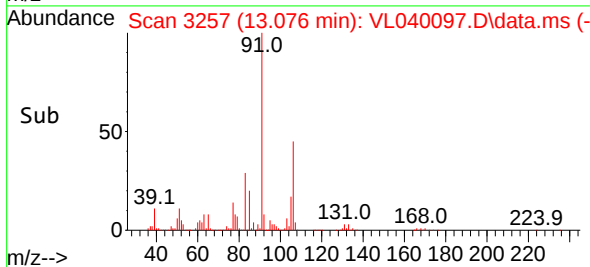
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

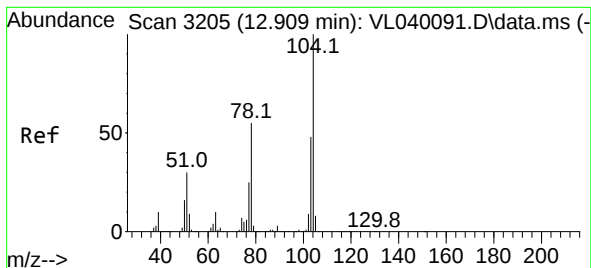


#60
o-Xylene
Concen: 12.116 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



Tgt Ion: 91 Resp: 4355203
Ion Ratio Lower Upper
91 100
106 44.5 21.6 64.8





#61

Styrene

Concen: 13.331 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 256996

Ion Ratio Lower Upper

104 100

78 54.2 44.0 66.0

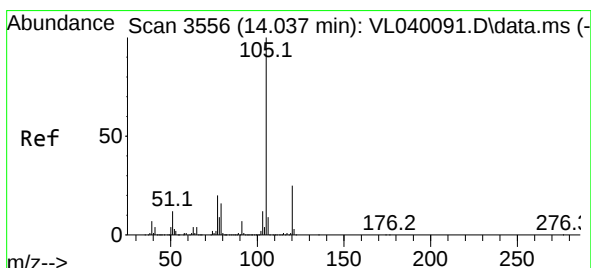
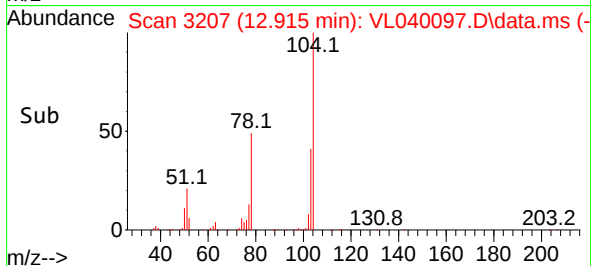
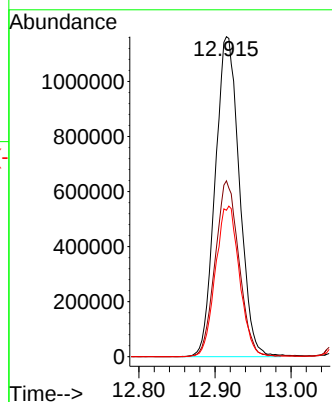
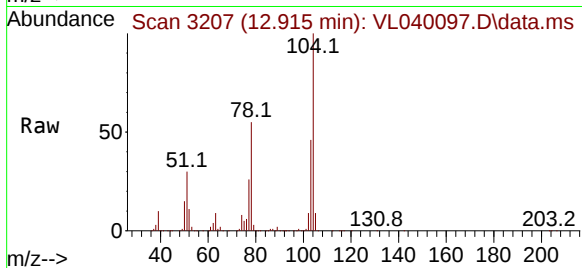
103 47.1 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#62

Isopropylbenzene

Concen: 11.549 ppbv

RT: 14.050 min Scan# 3560

Delta R.T. 0.013 min

Lab File: VL040097.D

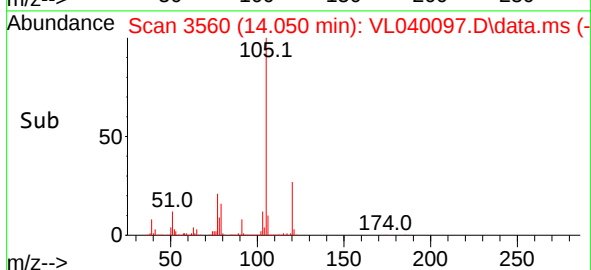
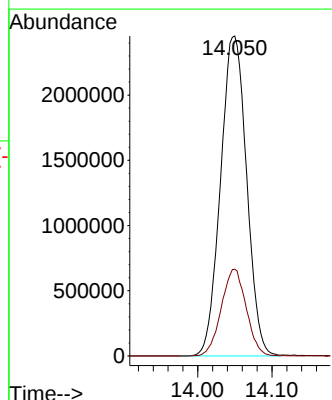
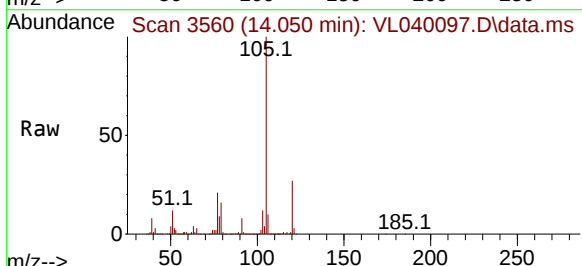
Acq: 16 Jan 2023 14:07

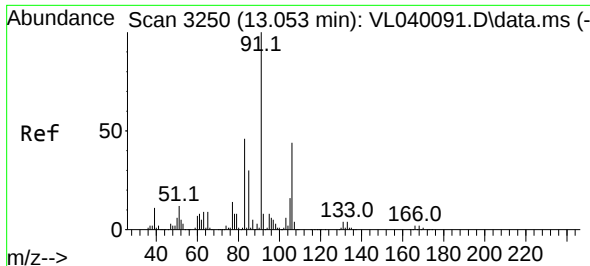
Tgt Ion:105 Resp: 5984738

Ion Ratio Lower Upper

105 100

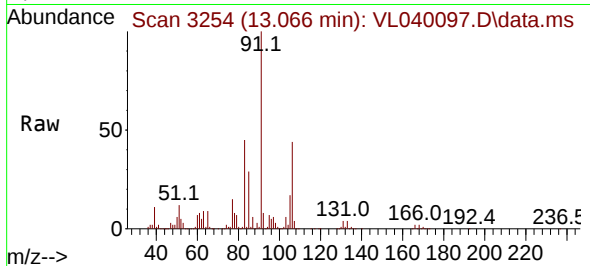
120 26.0 20.2 30.2





#63
1,1,2,2-Tetrachloroethane
Concen: 11.395 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

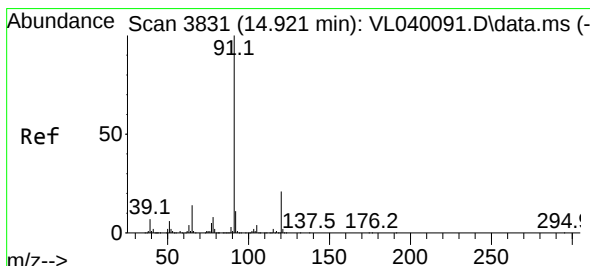
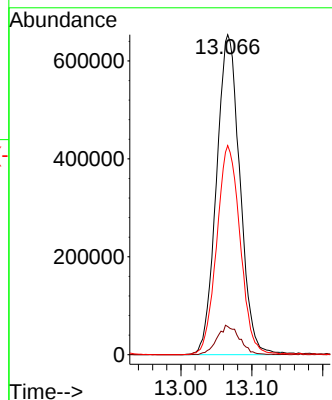
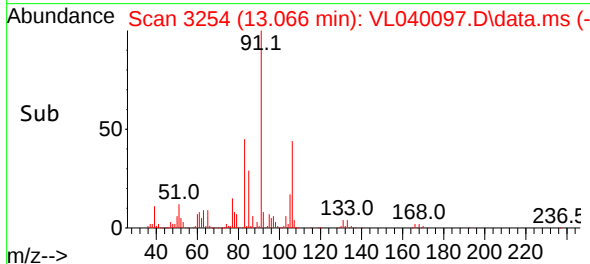
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



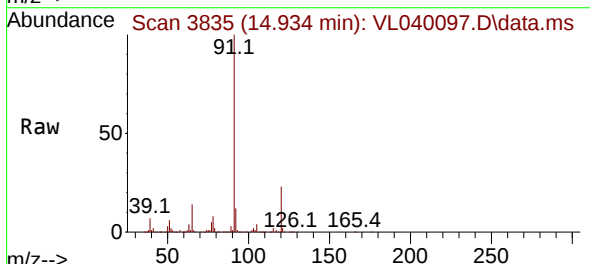
Tgt Ion: 83 Resp: 1501679
Ion Ratio Lower Upper
83 100
131 8.9 4.3 13.1
85 65.9 32.5 97.5

Manual Integrations
APPROVED

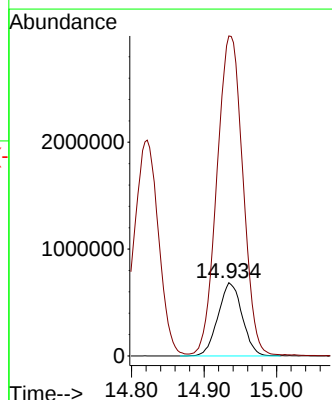
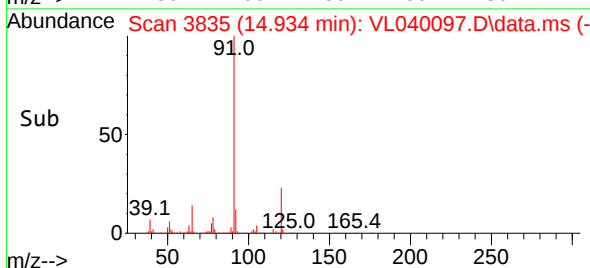
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

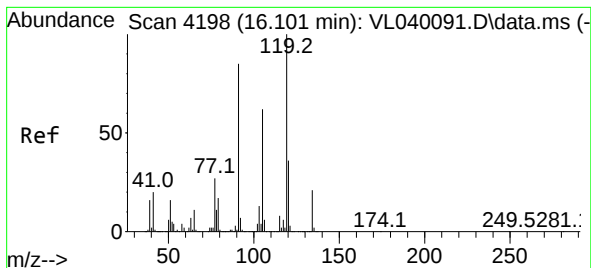


#64
n-propylbenzene
Concen: 12.076 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



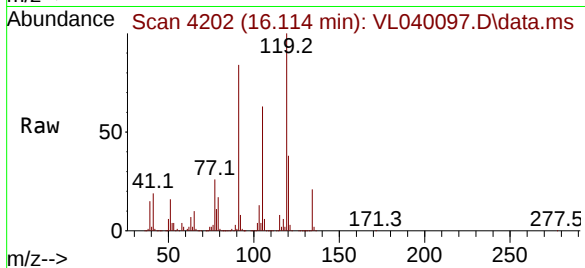
Tgt Ion:120 Resp: 1580656
Ion Ratio Lower Upper
120 100
91 473.3 397.0 595.4





#65
tert-Butylbenzene
Concen: 11.734 ppbv
RT: 16.114 min Scan# 4198
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

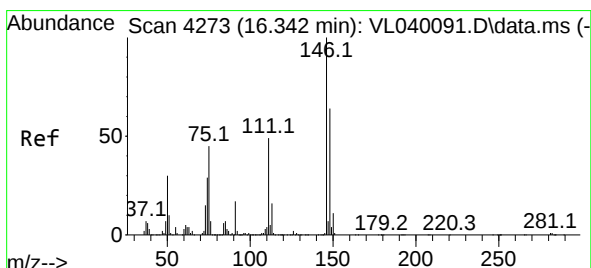
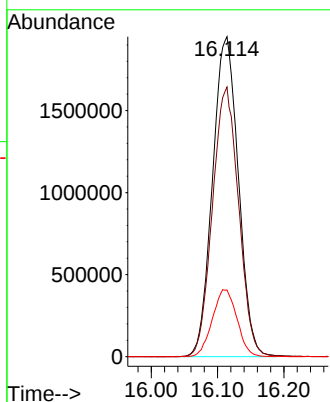
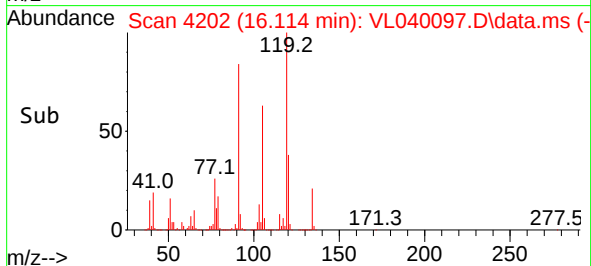
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 119 Resp: 528438
Ion Ratio Lower Upper
119 100
91 85.1 69.5 104.3
134 20.0 15.8 23.8

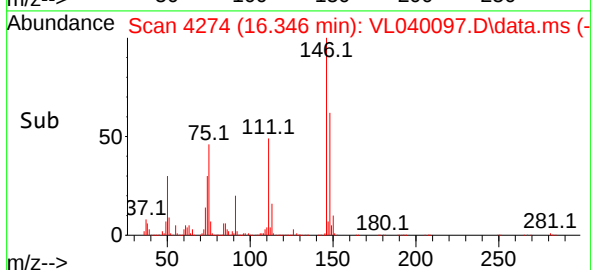
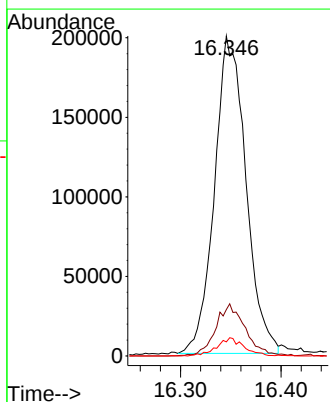
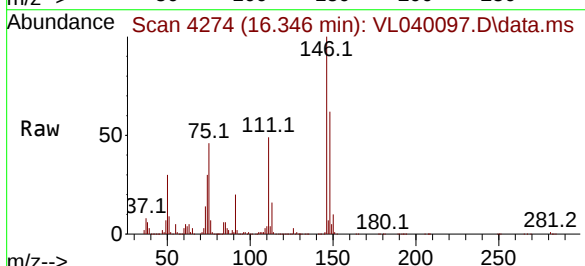
Manual Integrations
APPROVED

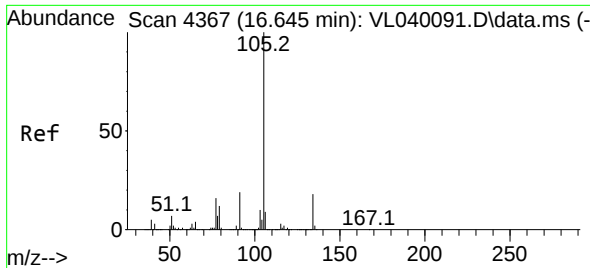
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#66
Benzyl Chloride
Concen: 16.492 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion: 91 Resp: 433088
Ion Ratio Lower Upper
91 100
126 15.5 11.5 17.3
128 5.0 0.0 0.0#





#67

sec-Butylbenzene

Concen: 11.622 ppbv

RT: 16.658 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 7334709

Ion Ratio Lower Upper

105 100

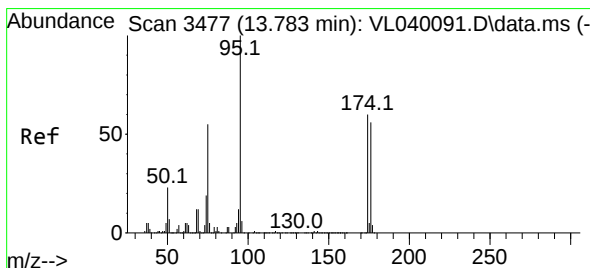
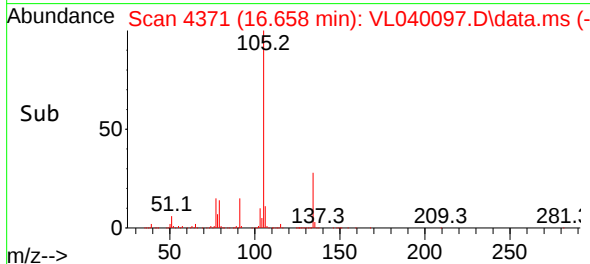
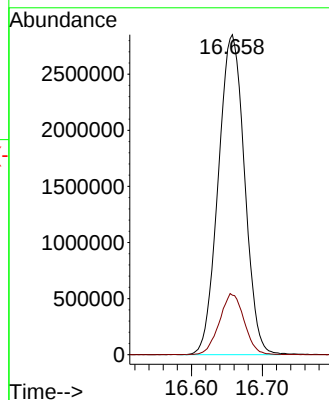
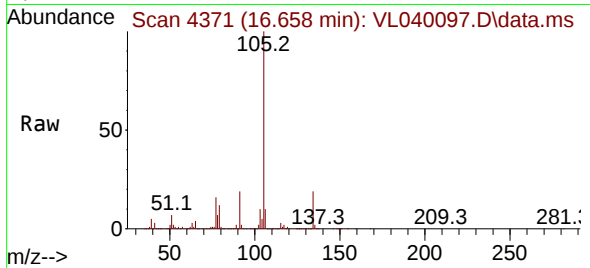
134 18.1 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.634 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

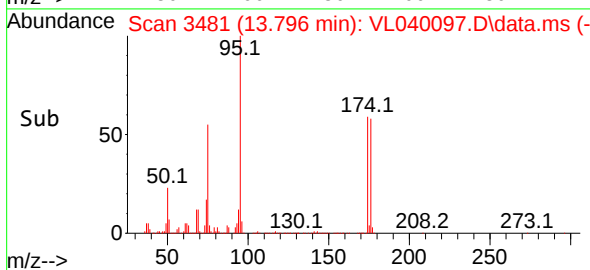
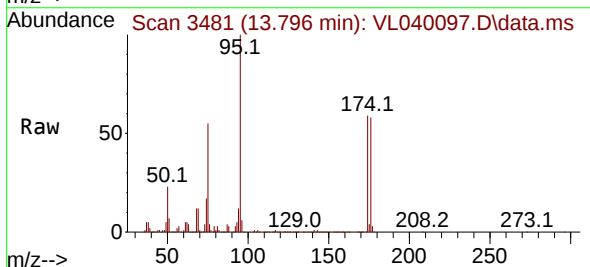
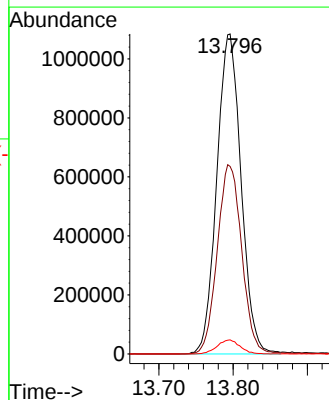
Tgt Ion: 95 Resp: 2462286

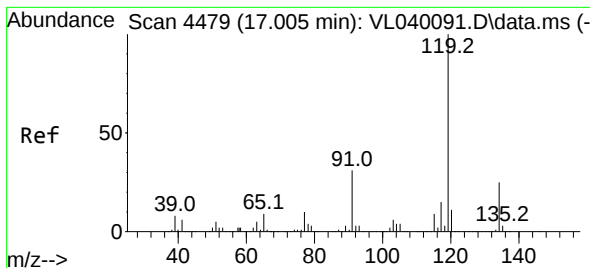
Ion Ratio Lower Upper

95 100

174 60.1 47.7 71.5

175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 11.843 ppbv

RT: 17.018 min Scan# 44

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 597066

Ion Ratio Lower Upper

119 100

134 26.0 20.1 30.1

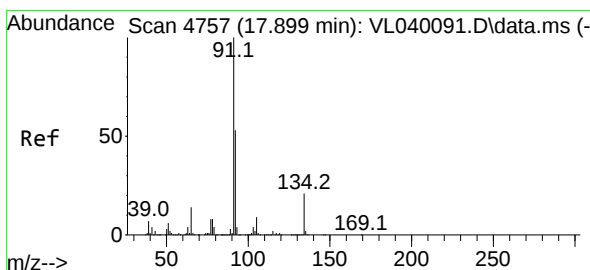
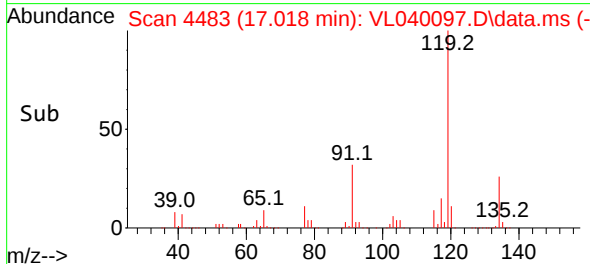
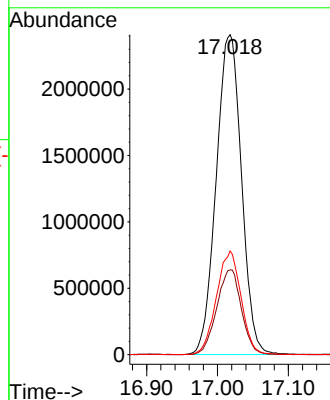
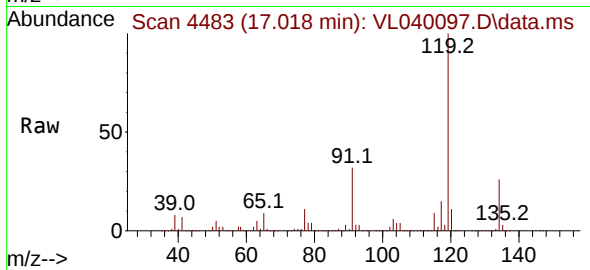
91 31.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#70

n-Butylbenzene

Concen: 12.042 ppbv

RT: 17.908 min Scan# 4760

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

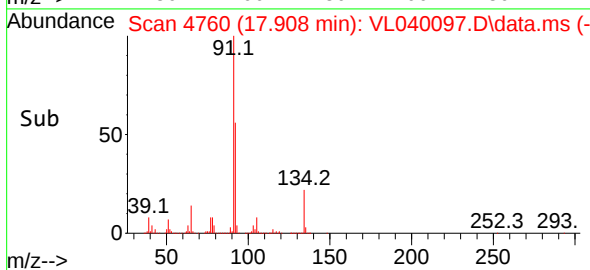
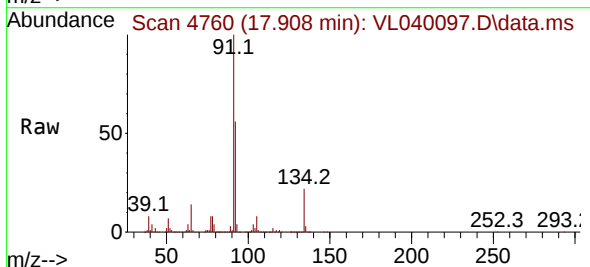
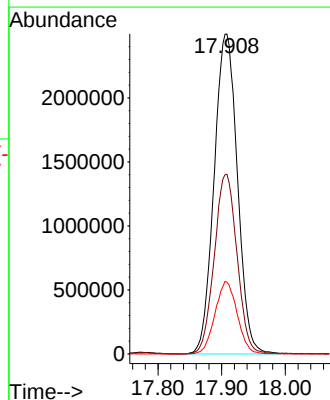
Tgt Ion: 91 Resp: 6360262

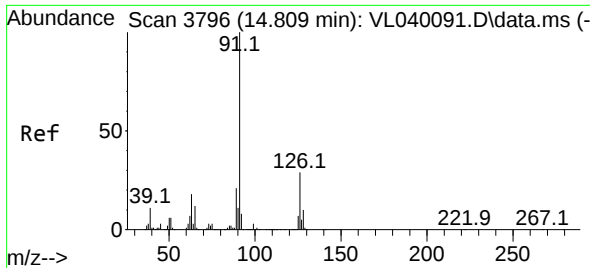
Ion Ratio Lower Upper

91 100

92 54.8 42.8 64.2

134 21.6 16.9 25.3





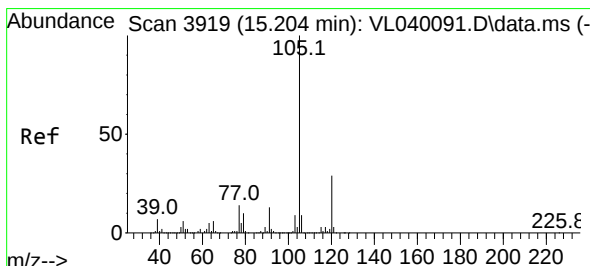
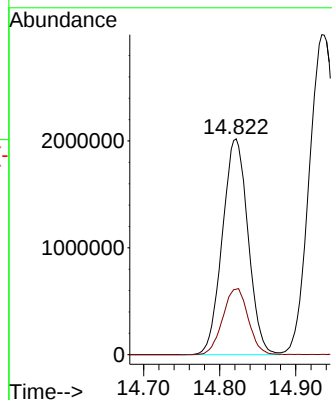
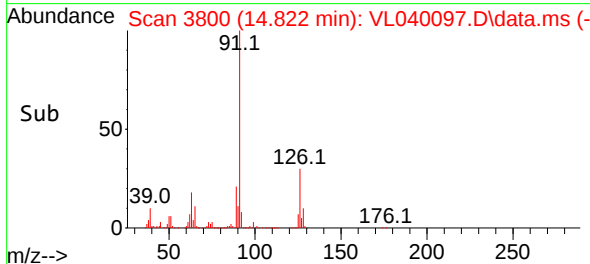
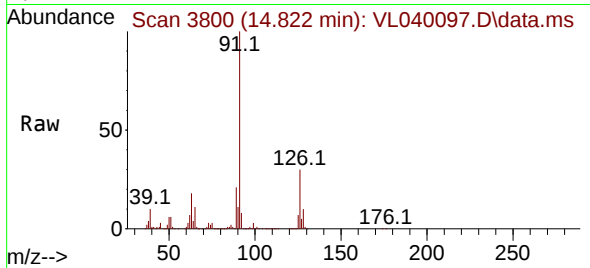
#71
2-Chlorotoluene
Concen: 12.001 ppbv
RT: 14.822 min Scan# 3800
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 474492
Ion Ratio Lower Upper
91 100
126 30.5 11.9 47.5

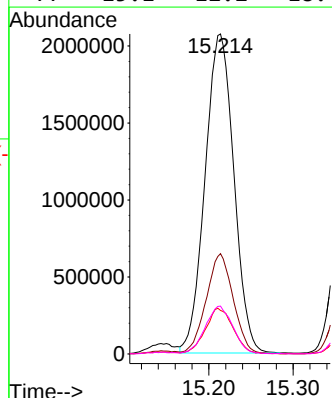
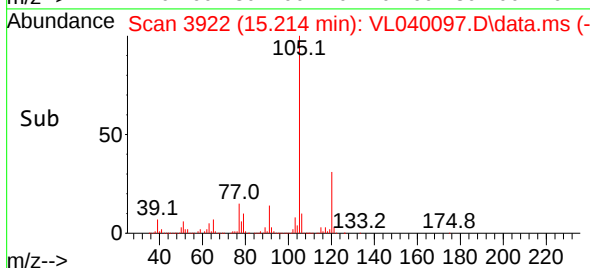
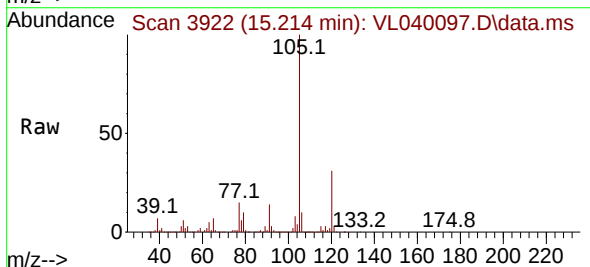
Manual Integrations
APPROVED

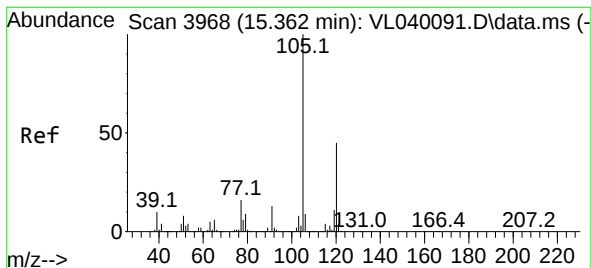
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023



#72
4-Ethyltoluene
Concen: 12.325 ppbv
RT: 15.214 min Scan# 3922
Delta R.T. 0.010 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

Tgt Ion:105 Resp: 4918852
Ion Ratio Lower Upper
105 100
120 30.7 23.1 34.7
91 13.9 11.2 16.8
77 15.1 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 12.152 ppbv

RT: 15.371 min Scan# 3968

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 4373724

Ion Ratio Lower Upper

105 100

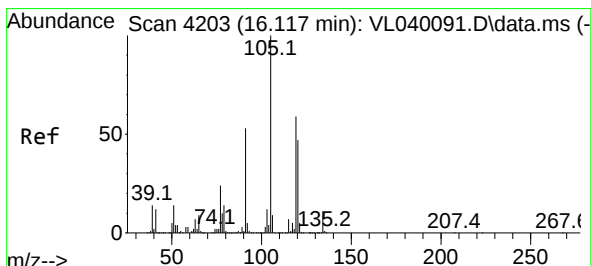
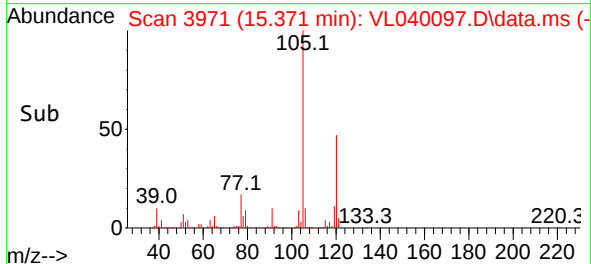
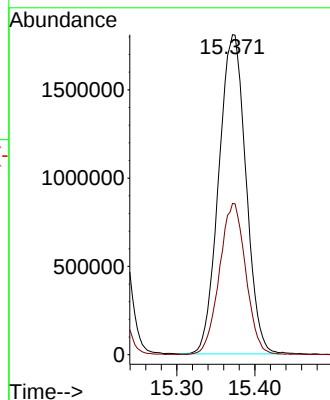
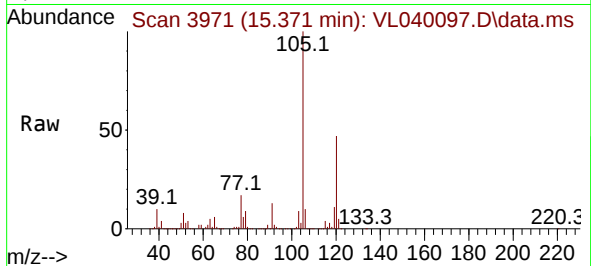
120 47.3 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 11.893 ppbv

RT: 16.130 min Scan# 4207

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Tgt Ion:105 Resp: 4718692

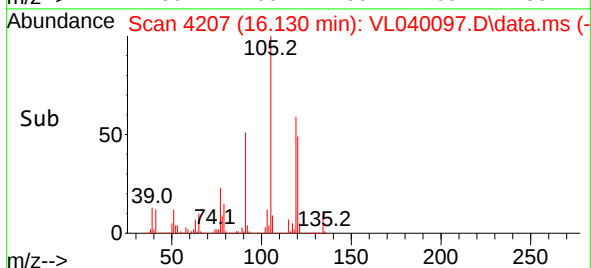
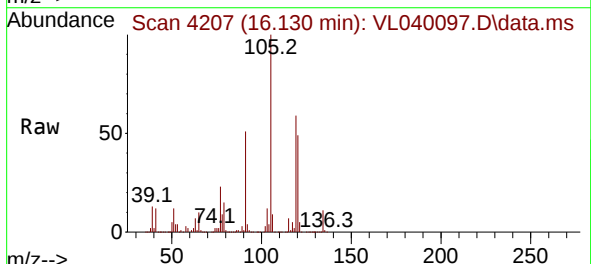
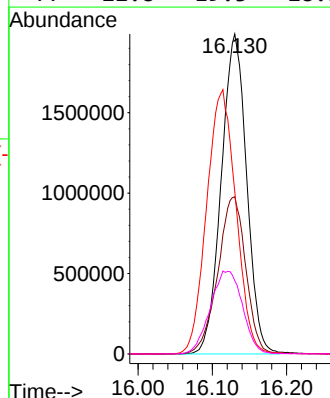
Ion Ratio Lower Upper

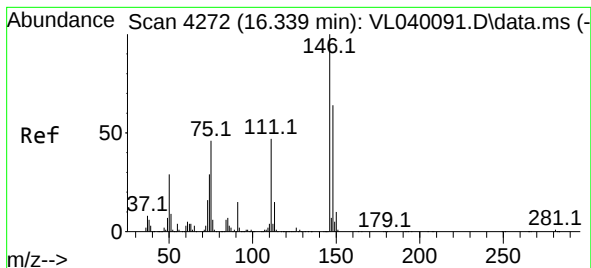
105 100

120 49.0 38.0 57.0

91 50.4 42.1 63.1

77 22.8 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 12.258 ppbv

RT: 16.355 min Scan# 4320

Delta R.T. 0.016 min

Lab File: VL040097.D

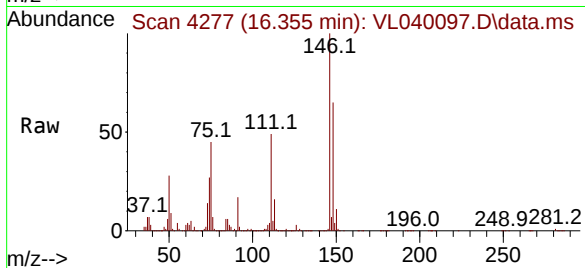
Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:146 Resp: 2661139

Ion Ratio Lower Upper

146 100

111 48.3 24.3 73.0

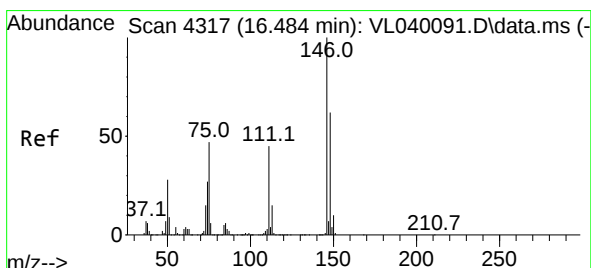
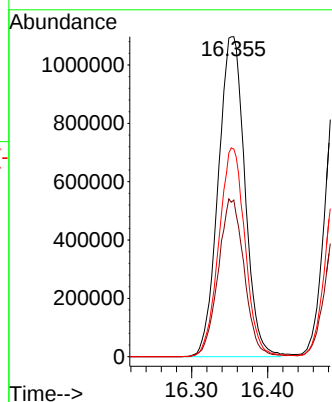
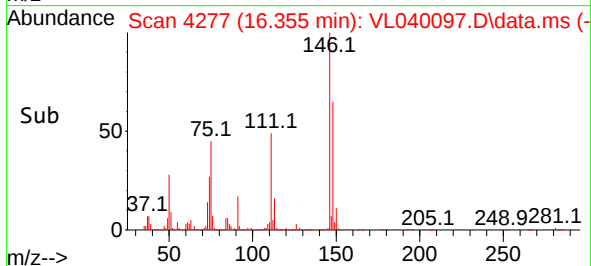
148 64.4 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#76

1,4-Dichlorobenzene

Concen: 12.213 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.010 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

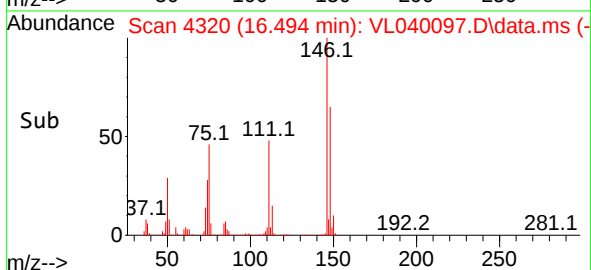
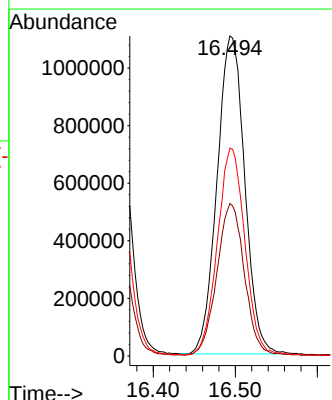
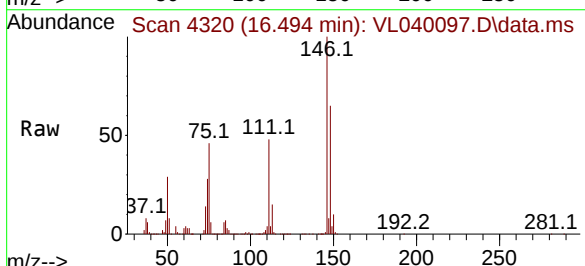
Tgt Ion:146 Resp: 2588461

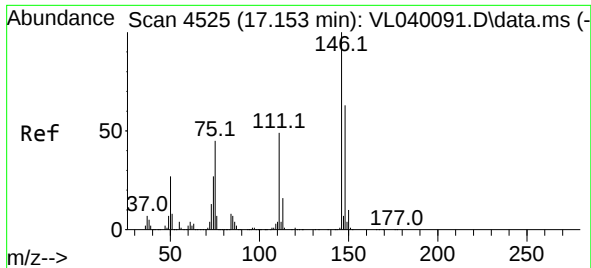
Ion Ratio Lower Upper

146 100

111 48.2 23.8 71.2

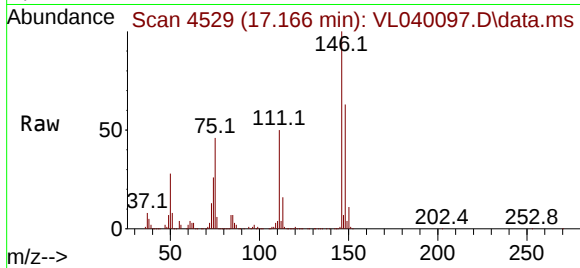
148 65.8 32.8 98.4





#77
1,2-Dichlorobenzene
Concen: 11.986 ppbv
RT: 17.166 min Scan# 4529
Delta R.T. 0.013 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

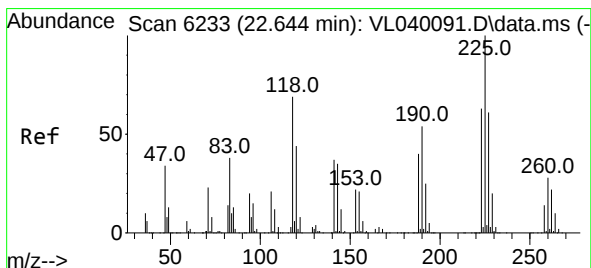
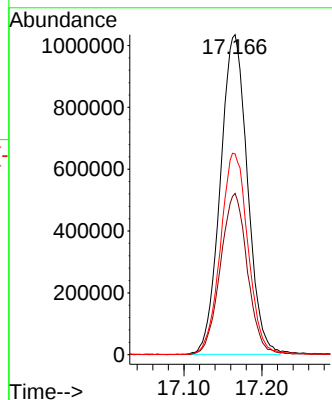
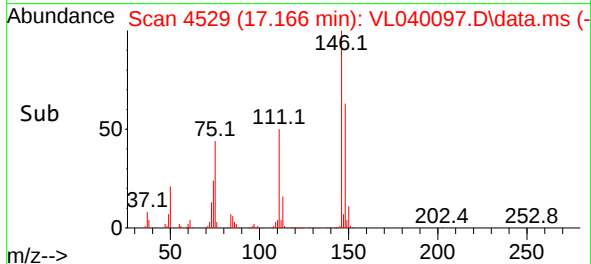
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



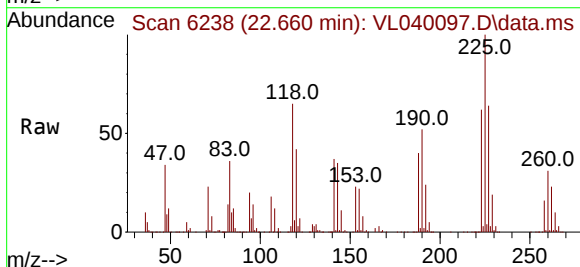
Tgt Ion:146 Resp: 2495604
Ion Ratio Lower Upper
146 100
111 50.4 25.1 75.2
148 64.2 32.4 97.0

Manual Integrations
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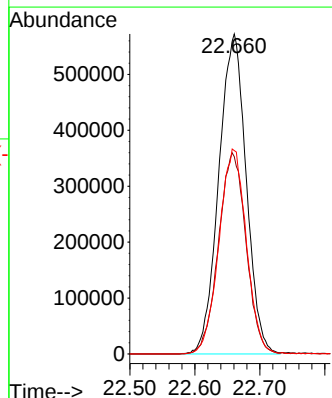
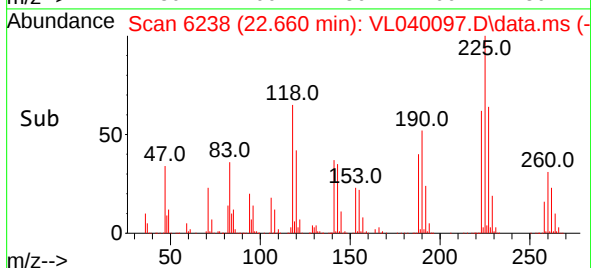
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

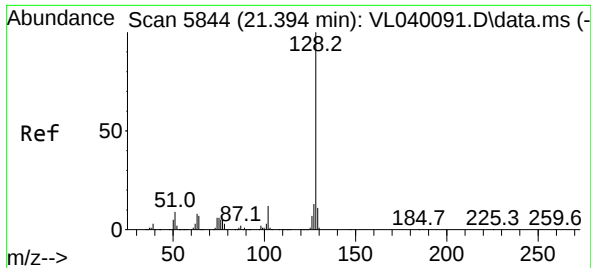


#78
Hexachloro-1,3-Butadiene
Concen: 11.610 ppbv
RT: 22.660 min Scan# 6238
Delta R.T. 0.016 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



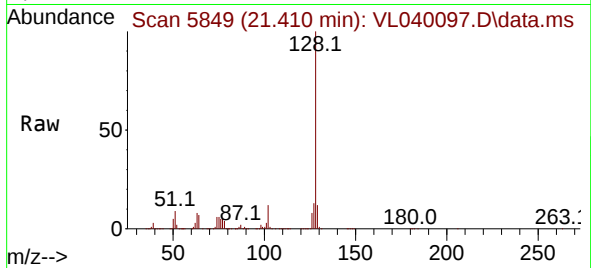
Tgt Ion:225 Resp: 1676914
Ion Ratio Lower Upper
225 100
223 63.2 51.5 77.3
227 64.2 50.6 76.0





#79
Naphthalene
Concen: 14.682 ppbv
RT: 21.410 min Scan# 5849
Delta R.T. 0.016 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07

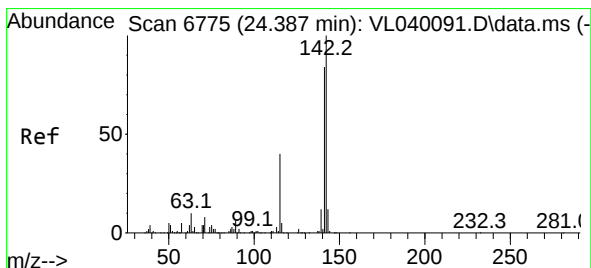
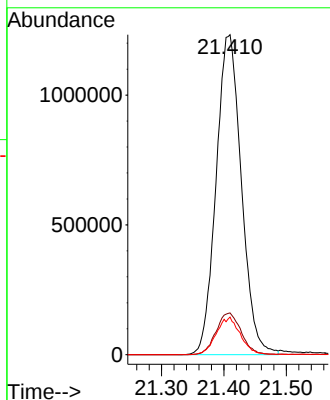
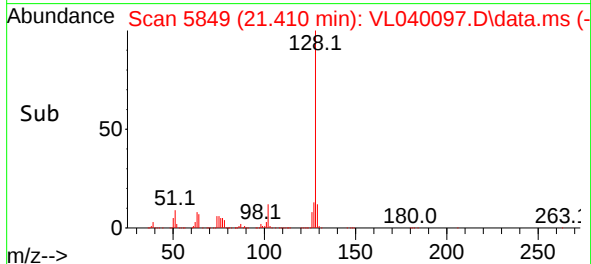
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



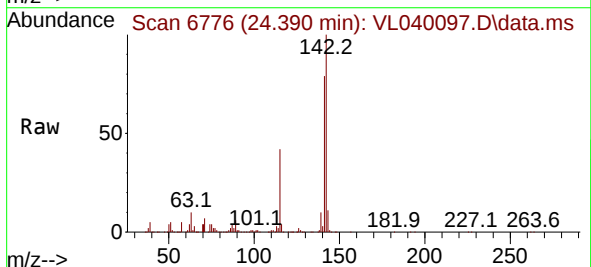
Tgt Ion:128 Resp: 3470958
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.7 8.8 13.2

Manual Integrations
APPROVED

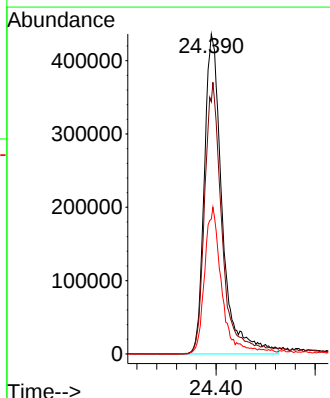
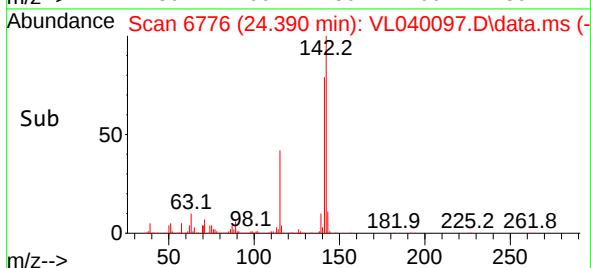
Reviewed By :Semsettin Yesilyurt 01/17/2023
Supervised By :Mahesh Dadoda 01/17/2023

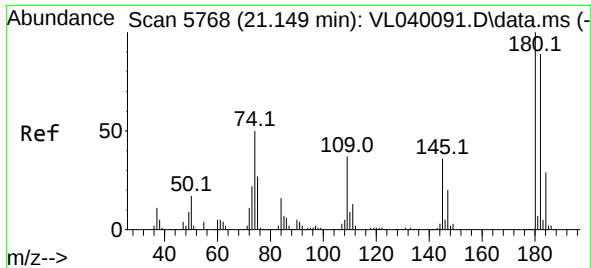


#80
Naphthalene,2-methyl-
Concen: 15.114 ppbv
RT: 24.390 min Scan# 6776
Delta R.T. 0.003 min
Lab File: VL040097.D
Acq: 16 Jan 2023 14:07



Tgt Ion:142 Resp: 1093239
Ion Ratio Lower Upper
142 100
141 85.7 65.0 97.6
115 45.6 31.8 47.8





#81

1,2,4-Trichlorobenzene

Concen: 12.939 ppbv

RT: 21.162 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL040097.D

Acq: 16 Jan 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:180 Resp: 181687

Ion Ratio Lower Upper

180 100

182 96.0 78.6 117.8

184 30.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023

