

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040021.D
 Acq On : 19 Dec 2022 10:16
 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 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:21:29 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1027724	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3010312	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2819748	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2093310 9.719 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	373623	1.942	ppbv	96
3) Chlorodifluoromethane	2.655	51	331168	2.184	ppbv	99
4) Chloromethane	2.796	50	208714	2.197	ppbv	95
5) Vinyl Chloride	2.902	62	174131	2.265	ppbv	94
6) Bromomethane	3.102	94	59769	2.116	ppbv	91
7) Chloroethane	3.179	64	62137	2.142	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	441470	2.181	ppbv	100
9) Propene	2.674	41	141610	2.201	ppbv	95
10) Heptane	7.561	43	352618	2.249	ppbv	98
11) Trichlorofluoromethane	3.542	101	463233	2.216	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.047	101	347043	2.192	ppbv	99
13) Ethanol	3.227	45	10706m	1.970	ppbv	
14) Bromoethene	3.346	108	128835	2.161	ppbv	94
15) Acetone	3.452	43	365958	2.302	ppbv	97
16) 1,3-Butadiene	2.967	39	164724	2.384	ppbv	100
17) tert-Butyl alcohol	3.864	59	332409	2.136	ppbv	98
18) 1,1-Dichloroethene	3.861	96	153707	2.231	ppbv	88
19) Isopropyl Alcohol	3.565	45	174556	2.228	ppbv #	95
20) Methylene Chloride	3.915	84	149987	2.219	ppbv	96
21) Allyl Chloride	3.976	41	212385	2.223	ppbv	99
22) trans-1,2-Dichloroethene	4.427	96	148825	2.167	ppbv	94
23) Vinyl Acetate	4.610	43	113573m	2.253	ppbv	
24) 1,1-Dichloroethane	4.546	63	327185	2.210	ppbv	98
25) Ethyl Acetate	5.185	43	609811	2.215	ppbv	99
26) Hexane	5.195	57	257657	2.227	ppbv	96
27) Carbon Disulfide	4.108	76	326420	2.236	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	304359	2.232	ppbv	100
29) Chloroform	5.256	83	380604	2.155	ppbv	98
30) Cyclohexane	6.584	84	232628	2.270	ppbv	94
31) cis-1,2-Dichloroethene	5.057	61	234515	2.128	ppbv	91
32) 1,1,1-Trichloroethane	5.983	97	445704	2.350	ppbv	99
34) 2-Butanone	4.771	43	366782	2.308	ppbv	98
35) Carbon Tetrachloride	6.478	117	441703	2.359	ppbv	100
36) Benzene	6.349	78	606672	2.257	ppbv	99
37) 1,2-Dichloroethane	5.787	62	358418	2.273	ppbv	99
38) Trichloroethene	7.275	130	329383	2.371	ppbv	92
39) 1,2-Dichloropropane	7.053	63	226397	2.247	ppbv	95
40) 1,4-Dioxane	7.282	88	100815m	2.206	ppbv	
41) Tetrahydrofuran	5.552	42	233530m	2.366	ppbv	
42) Bromodichloromethane	7.227	83	485434	2.251	ppbv	94
43) Methyl Methacrylate	7.459	69	231534	2.295	ppbv	100
44) 2,2,4-Trimethylpentane	7.307	57	1007975	2.277	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	184612	2.165	ppbv	91

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

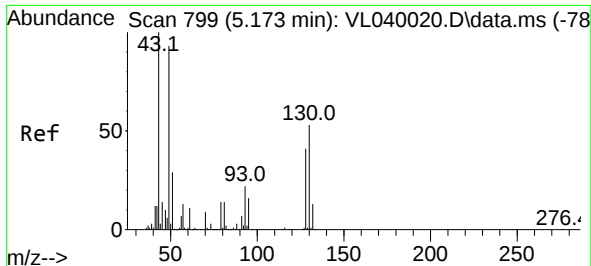
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

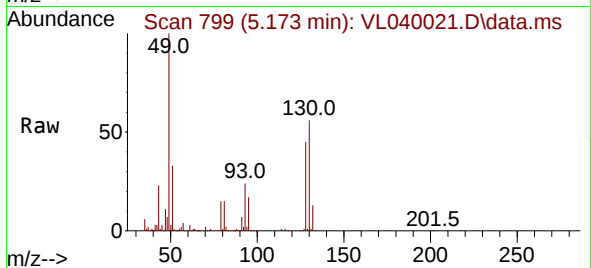
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	270584	2.250	ppbv	96
47) 1,1,2-Trichloroethane	8.880	97	249427	2.262	ppbv	95
48) Dibromochloromethane	9.693	129	380104	2.262	ppbv	100
49) Bromoform	12.388	173	290184	2.267	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	616955	2.312	ppbv	100
51) 2-Hexanone	9.542	43	477909	2.310	ppbv #	99
52) Tetrachloroethene	10.600	164	206385	2.243	ppbv	98
53) Toluene	9.204	91	676531	2.273	ppbv	100
54) 1,2-Dibromoethane	9.992	107	280198	2.374	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.491	131	291832	2.242	ppbv #	1
57) Chlorobenzene	11.510	112	528541	2.208	ppbv	95
58) Ethyl Benzene	12.076	91	920923	2.299	ppbv	97
59) m/p-Xylene	12.359	91	1582031m	4.533	ppbv	
60) o-Xylene	13.040	91	765089	2.289	ppbv	98
61) Styrene	12.883	104	411314	2.308	ppbv	98
62) Isopropylbenzene	14.018	105	1093310	2.268	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.034	83	294274	2.393	ppbv	99
64) n-propylbenzene	14.902	120	280044	2.308	ppbv	96
65) tert-Butylbenzene	16.076	119	968146	2.313	ppbv	98
66) Benzyl Chloride	16.317	91	49775m	2.289	ppbv	
67) sec-Butylbenzene	16.622	105	1368148	2.330	ppbv	100
69) p-Isopropyltoluene	16.982	119	1113169	2.374	ppbv	99
70) n-Butylbenzene	17.873	91	1174066	2.396	ppbv	97
71) 2-Chlorotoluene	14.786	91	848098	2.306	ppbv	99
72) 4-Ethyltoluene	15.179	105	848637	2.286	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	767082	2.284	ppbv	92
74) 1,2,4-Trimethylbenzene	16.095	105	854017	2.314	ppbv	96
75) 1,3-Dichlorobenzene	16.314	146	469110m	2.328	ppbv	
76) 1,4-Dichlorobenzene	16.461	146	443213	2.228	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	441061	2.275	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	313552	2.340	ppbv #	100
79) Naphthalene	21.368	128	602308m	2.747	ppbv	
80) Naphthalene,2-methyl-	24.374	142	147853	2.350	ppbv	94
81) 1,2,4-Trichlorobenzene	21.124	180	313179m	2.412	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 799
Delta R.T. -0.000 min
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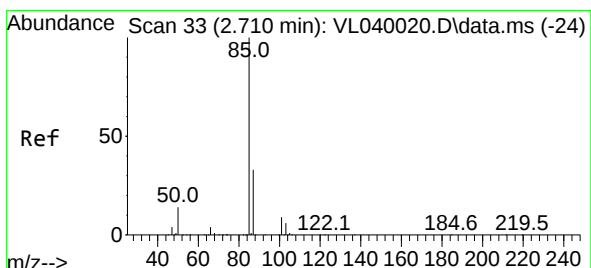
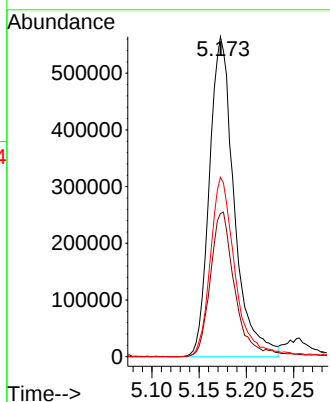
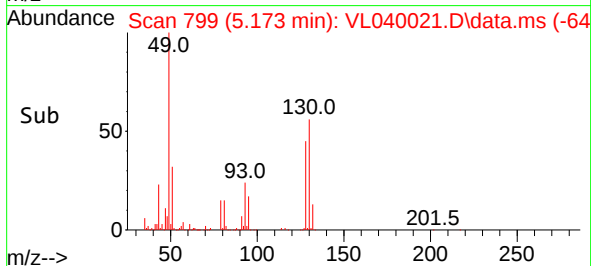
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 1027724
Ion Ratio Lower Upper
49 100
128 45.8 22.4 67.3
130 56.6 28.9 86.8

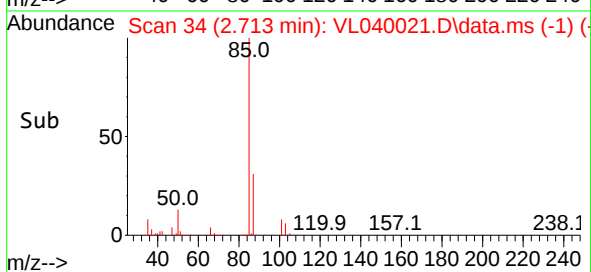
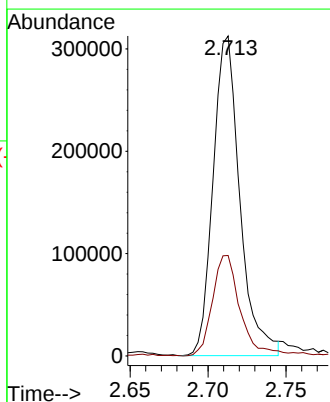
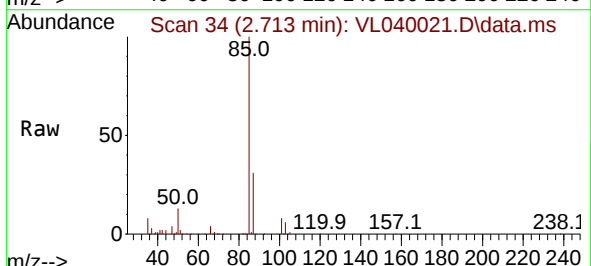
Manual Integrations
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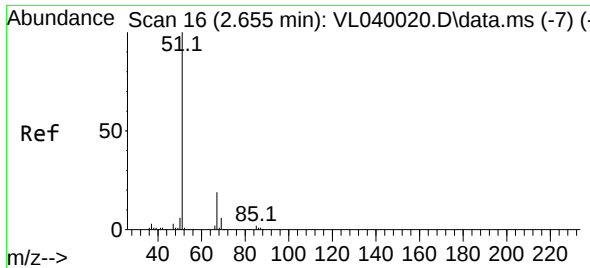
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#2
Dichlorodifluoromethane
Concen: 1.942 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 85 Resp: 373623
Ion Ratio Lower Upper
85 100
87 31.3 26.6 40.0





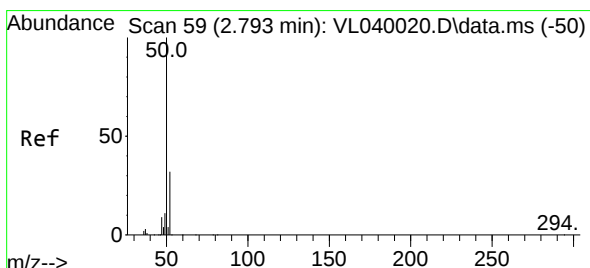
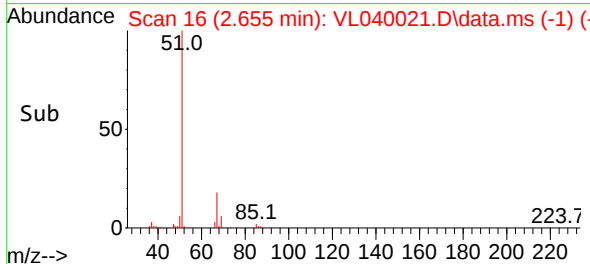
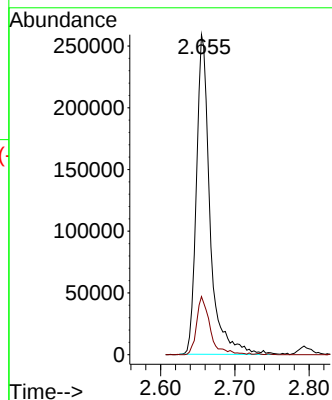
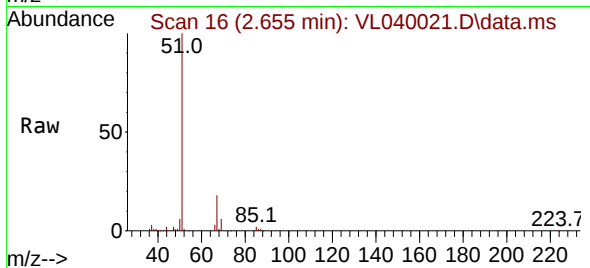
#3
Chlorodifluoromethane
Concen: 2.184 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 331168
Ion Ratio Lower Upper
51 100
67 18.4 15.3 22.9

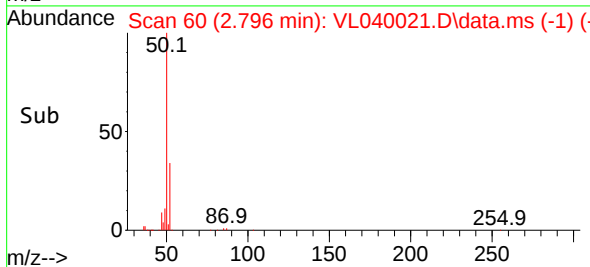
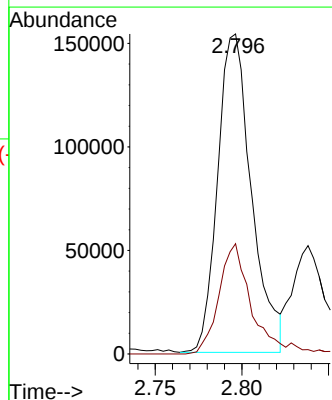
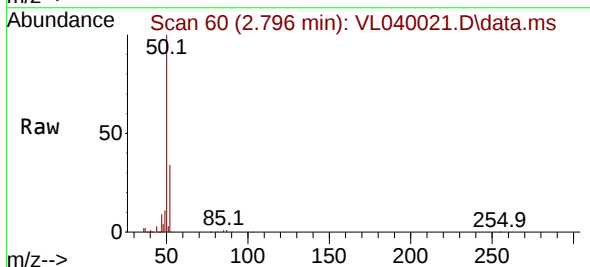
Manual Integrations
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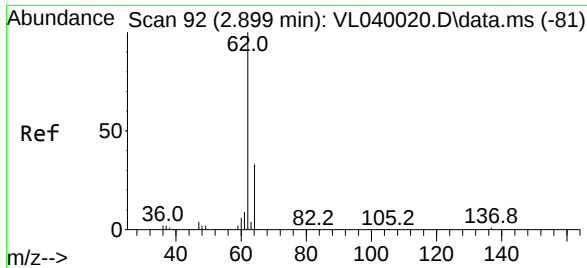
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#4
Chloromethane
Concen: 2.197 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

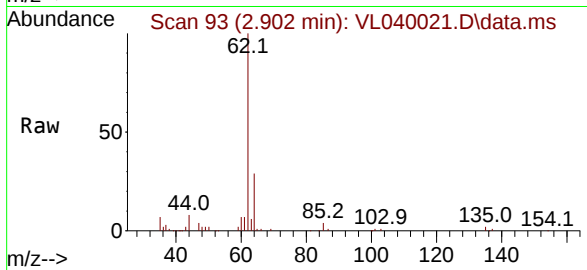
Tgt Ion: 50 Resp: 208714
Ion Ratio Lower Upper
50 100
52 34.9 25.5 38.3





#5
 Vinyl Chloride
 Concen: 2.265 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

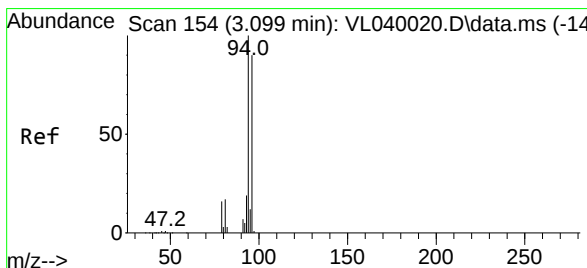
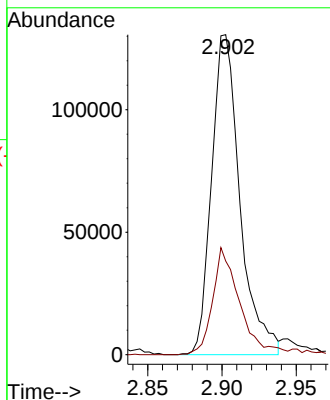
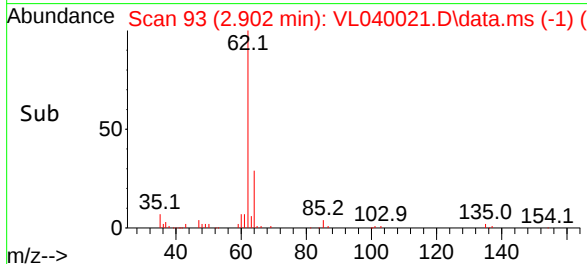
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 17413
 Ion Ratio Lower Upper
 62 100
 64 29.2 26.1 39.1

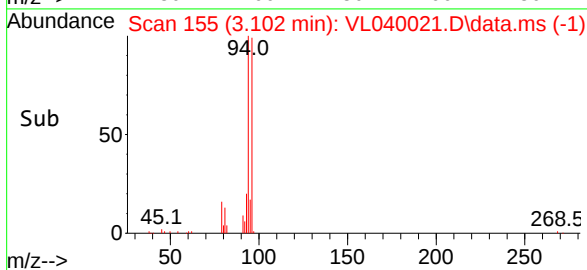
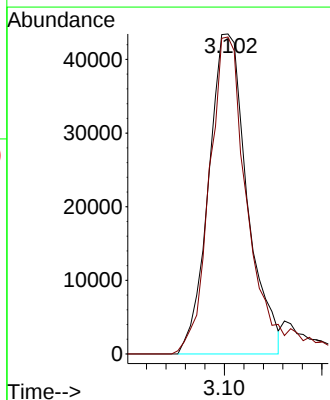
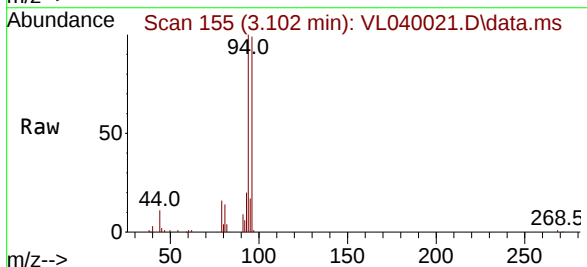
Manual Integrations
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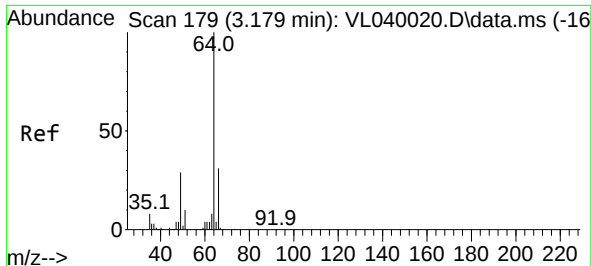
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#6
 Bromomethane
 Concen: 2.116 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

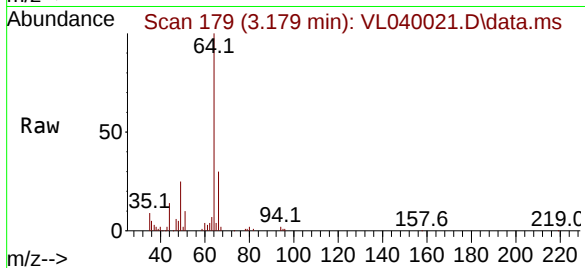
Tgt Ion: 94 Resp: 59769
 Ion Ratio Lower Upper
 94 100
 96 98.1 72.0 108.0





#7
Chloroethane
Concen: 2.142 ppbv
RT: 3.179 min Scan# 179
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

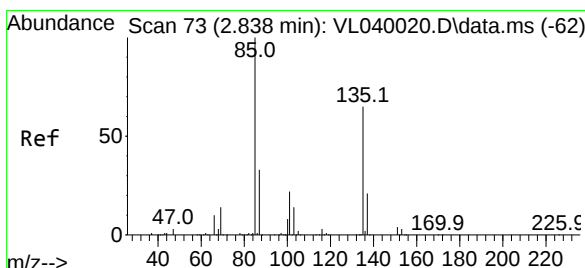
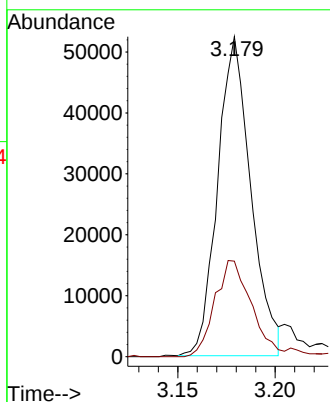
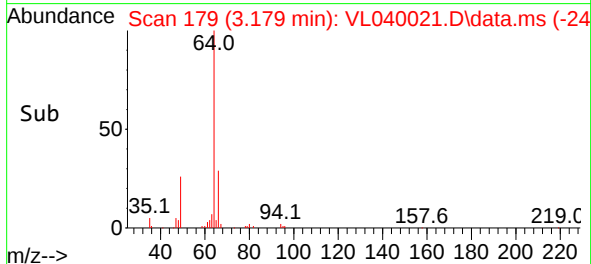
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 62137
Ion Ratio Lower Upper
64 100
66 29.8 24.6 37.0

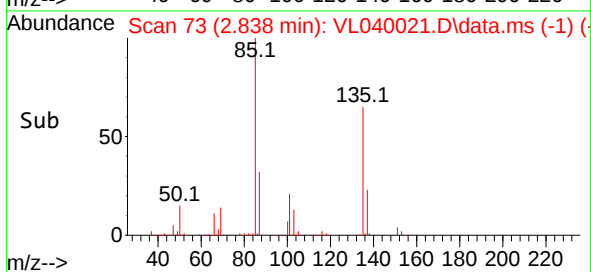
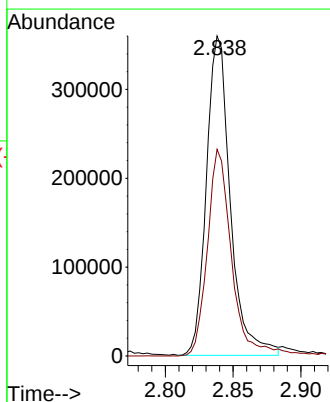
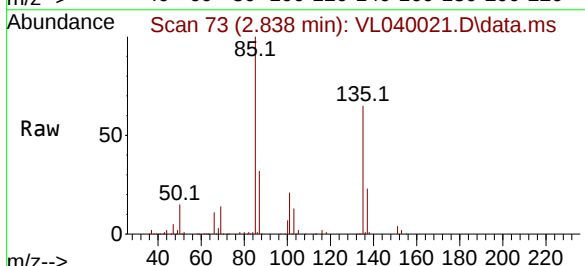
Manual Integrations
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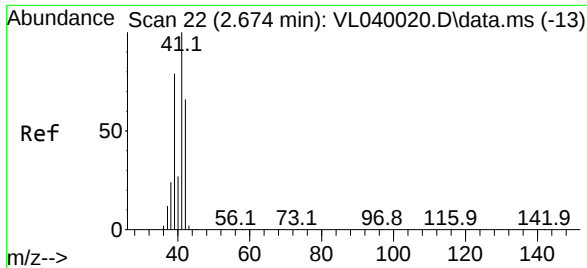
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#8
Dichlorotetrafluoroethane
Concen: 2.181 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

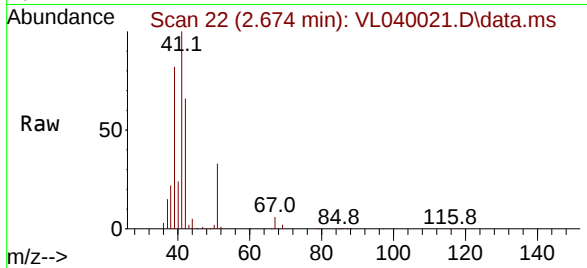
Tgt Ion: 85 Resp: 441470
Ion Ratio Lower Upper
85 100
135 66.8 53.2 79.8





#9
 Propene
 Concen: 2.201 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

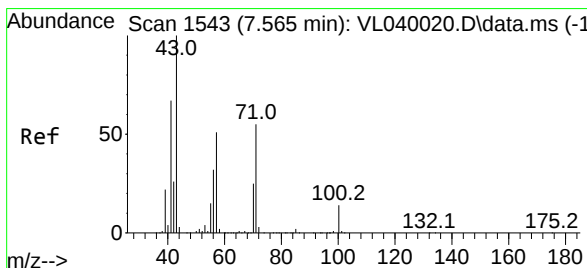
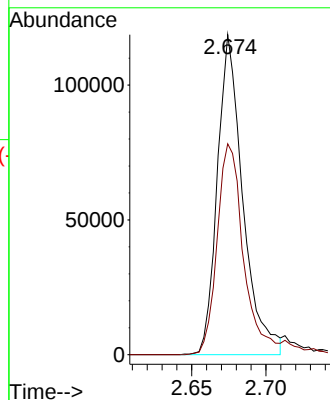
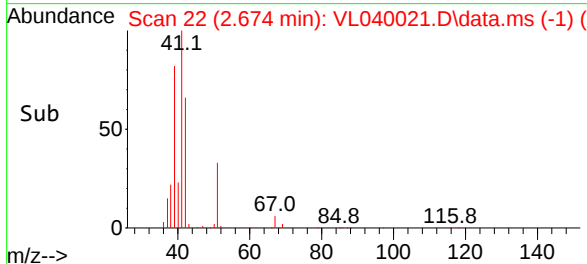
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



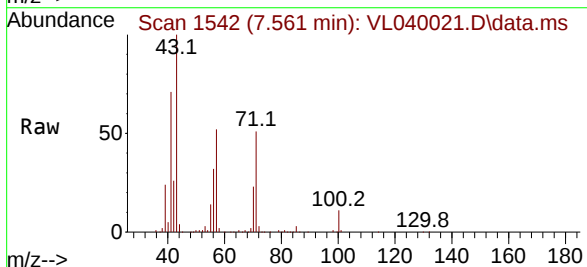
Tgt Ion: 41 Resp: 141610
 Ion Ratio Lower Upper
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 42 72.2 54.8 82.2

Manual Integrations
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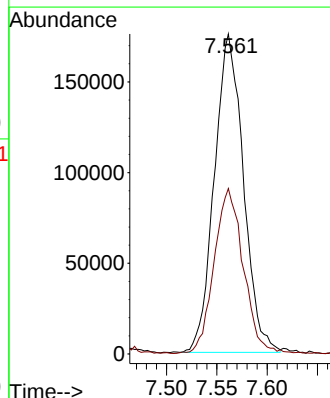
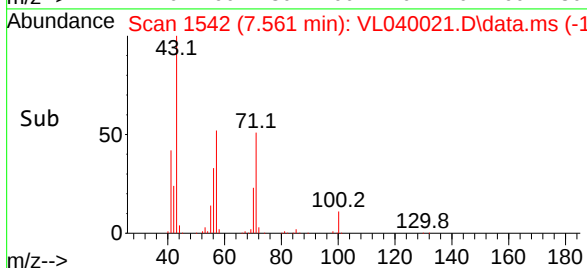
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

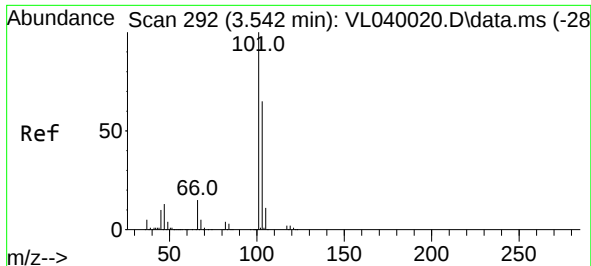


#10
 Heptane
 Concen: 2.249 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. -0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16



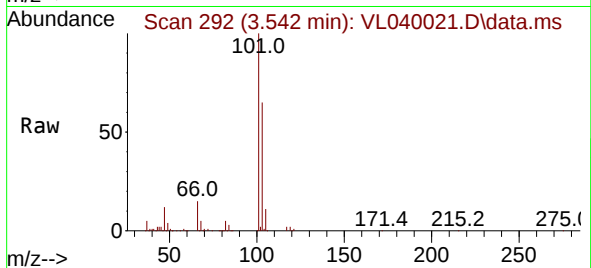
Tgt Ion: 43 Resp: 352618
 Ion Ratio Lower Upper
 43 100
 57 53.0 41.2 61.8





#11
 Trichlorofluoromethane
 Concen: 2.216 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

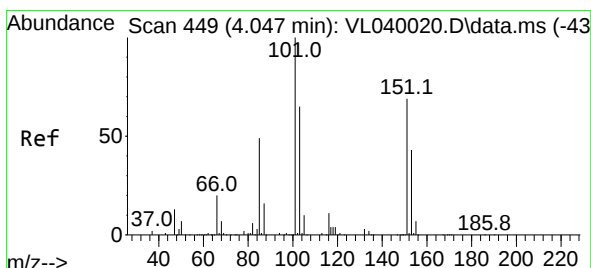
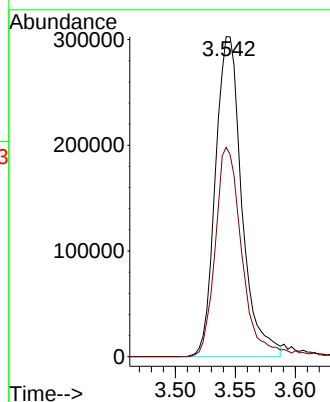
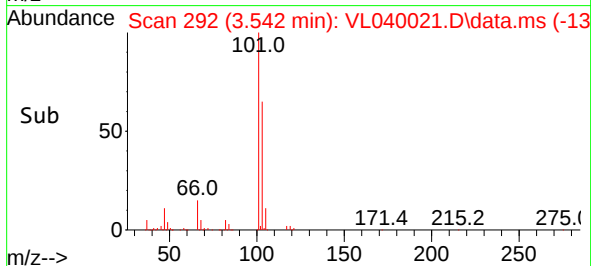
Instrument : MSVOA_L
 ClientSampleId : VSTDICC002



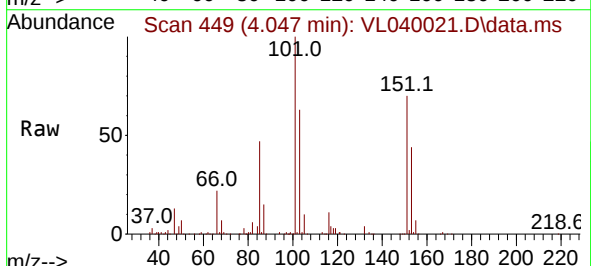
Tgt Ion:101 Resp: 46323
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.7 77.5

Manual Integrations
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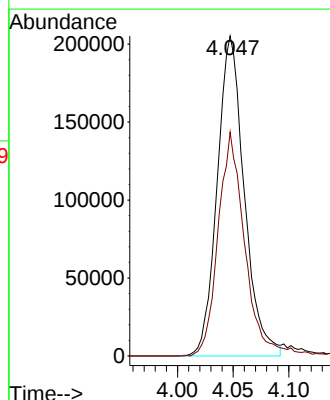
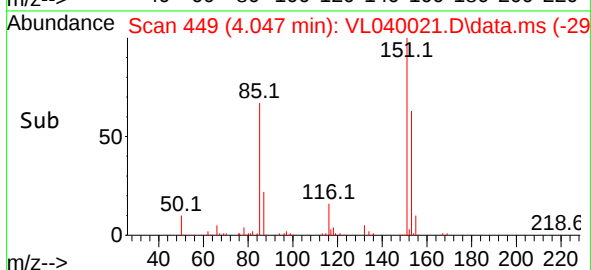
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

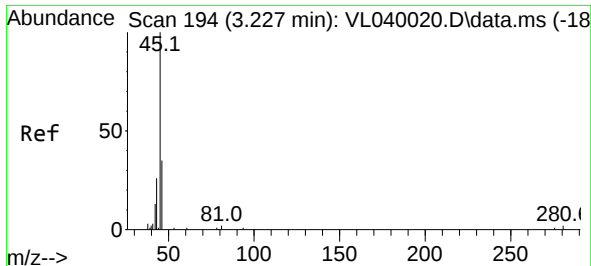


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.192 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16



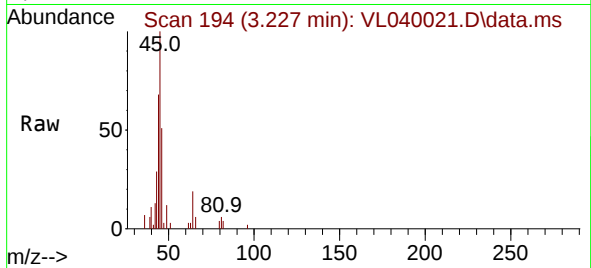
Tgt Ion:101 Resp: 347043
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.0 82.4





#13
Ethanol
Concen: 1.970 ppbv m
RT: 3.227 min Scan# 194
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

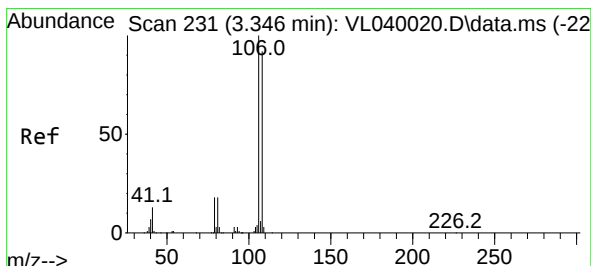
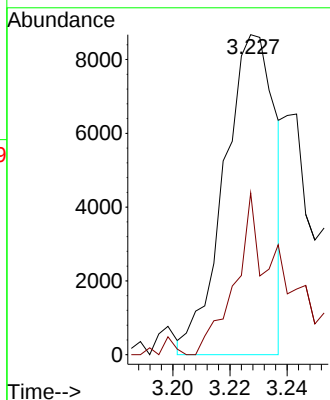
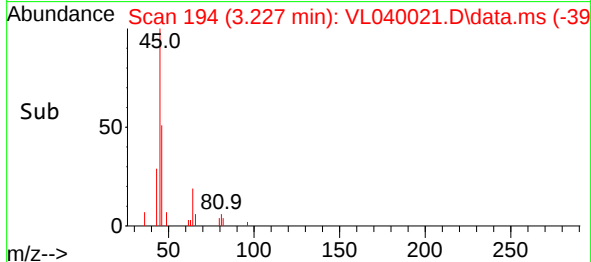
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



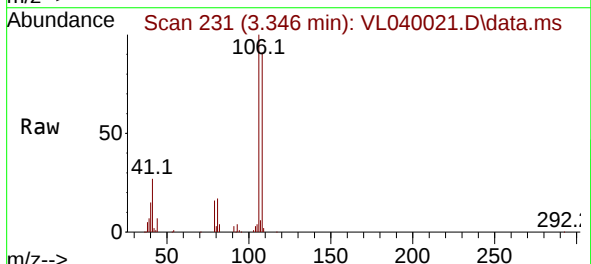
Tgt Ion: 45 Resp: 10700
Ion Ratio Lower Upper
45 100
46 61.3 13.7 54.7

Manual Integrations
APPROVED

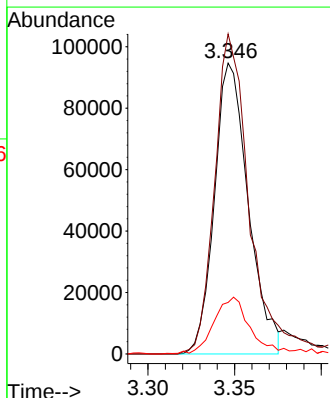
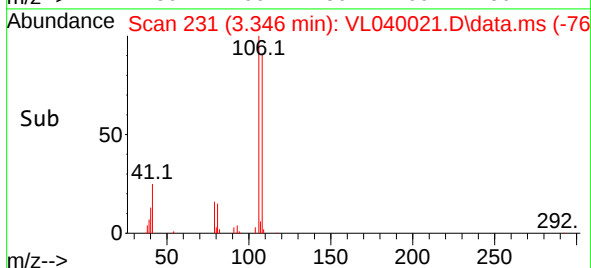
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

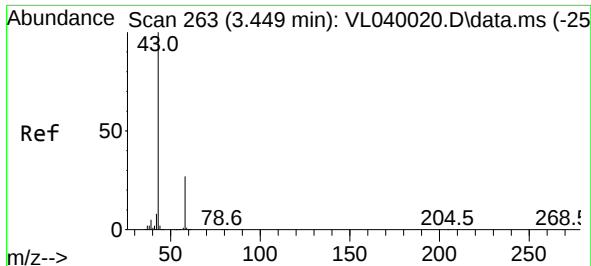


#14
Bromoethene
Concen: 2.161 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion:108 Resp: 128835
Ion Ratio Lower Upper
108 100
106 115.8 87.5 131.3
79 21.9 15.8 23.8





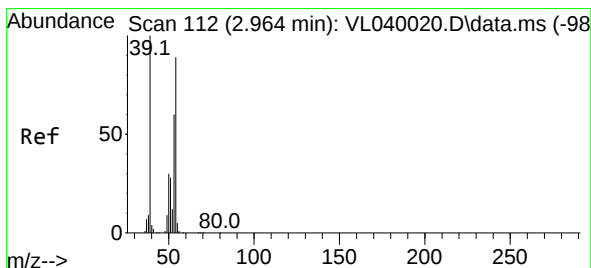
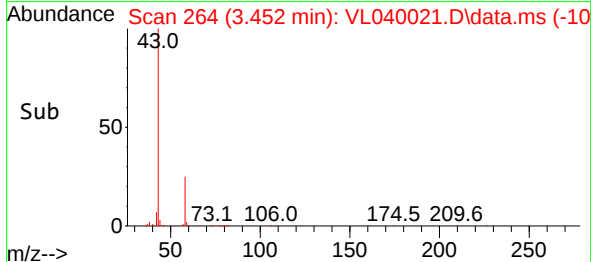
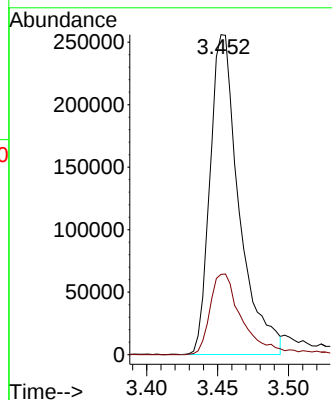
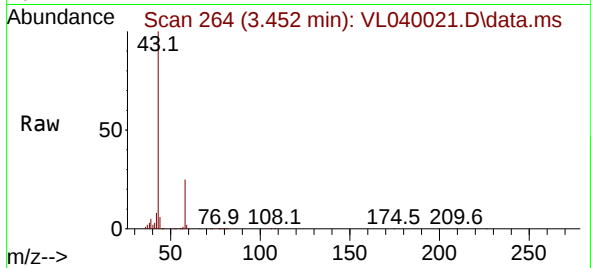
#15
Acetone
Concen: 2.302 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 365958
Ion Ratio Lower Upper
43 100
58 29.1 21.8 32.8

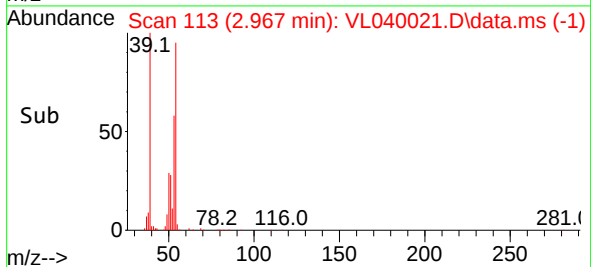
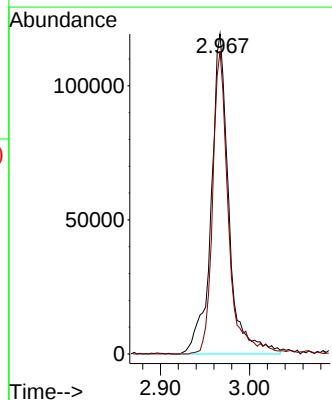
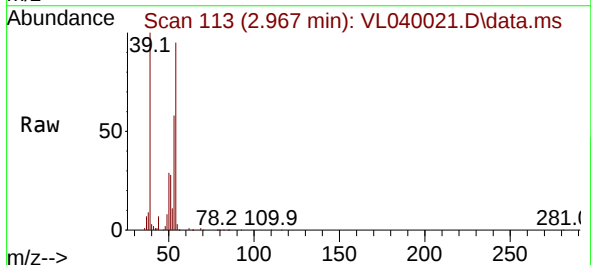
Manual Integrations
APPROVED

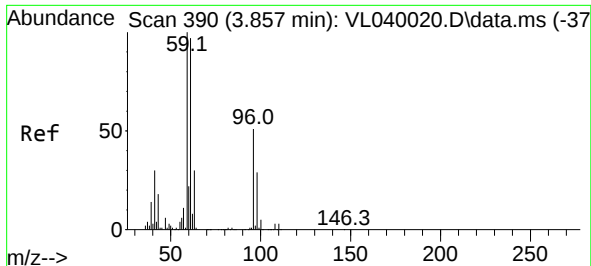
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#16
1,3-Butadiene
Concen: 2.384 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 39 Resp: 164724
Ion Ratio Lower Upper
39 100
54 85.7 68.3 102.5





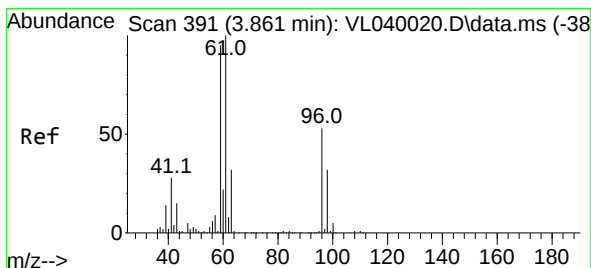
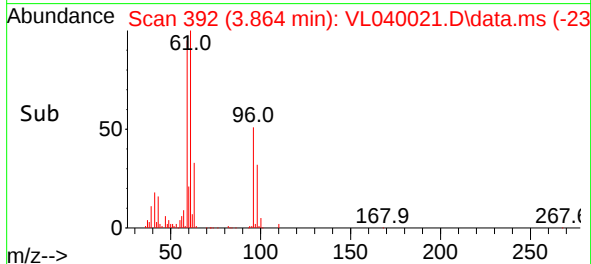
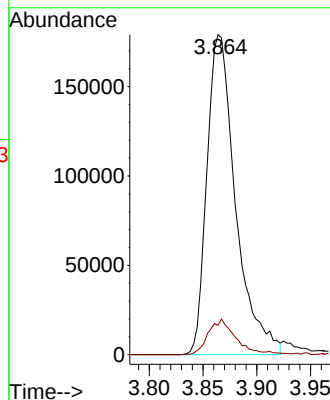
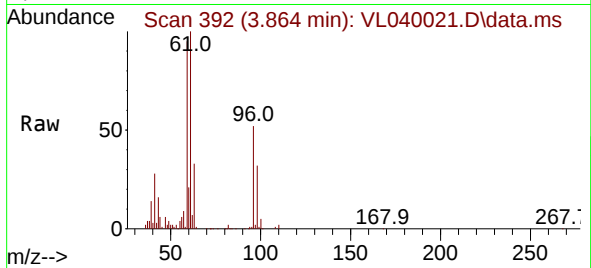
#17
tert-Butyl alcohol
Concen: 2.136 ppbv
RT: 3.864 min Scan# 390
Delta R.T. 0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 332409
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6

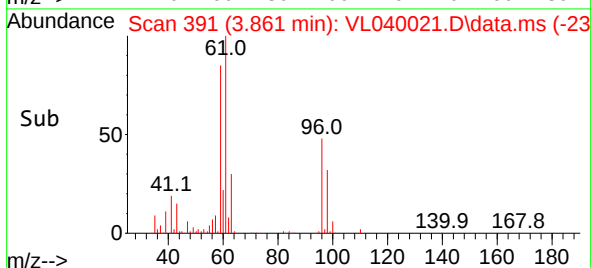
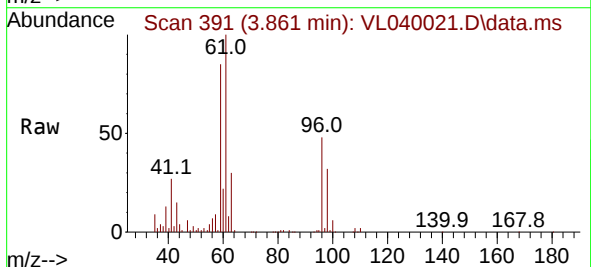
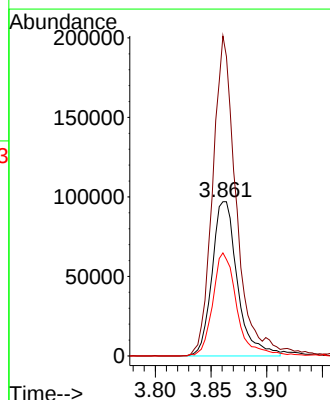
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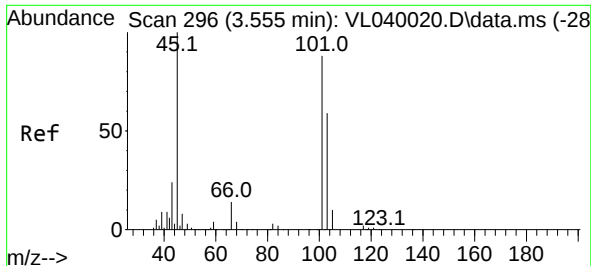
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#18
1,1-Dichloroethene
Concen: 2.231 ppbv
RT: 3.861 min Scan# 391
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

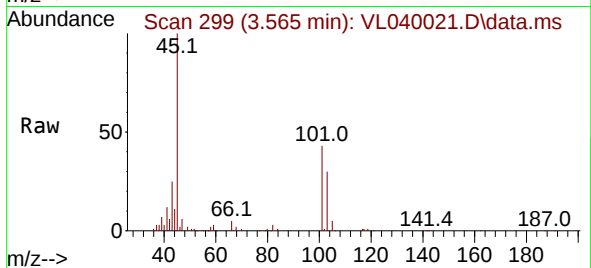
Tgt Ion: 96 Resp: 153707
Ion Ratio Lower Upper
96 100
61 207.4 151.0 226.6
98 66.8 47.7 71.5





#19
Isopropyl Alcohol
Concen: 2.228 ppbv
RT: 3.565 min Scan# 296
Delta R.T. 0.010 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

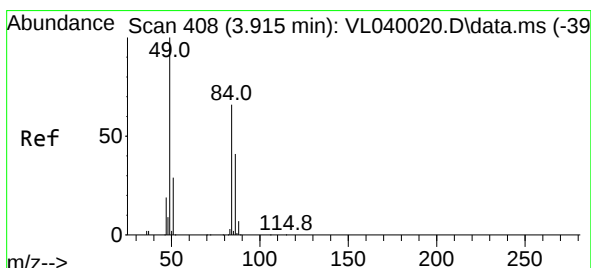
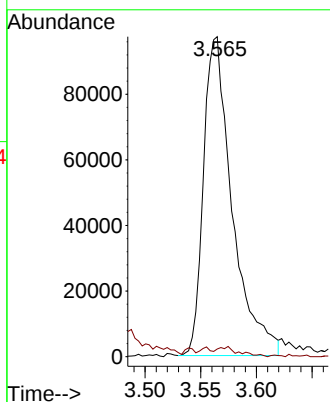
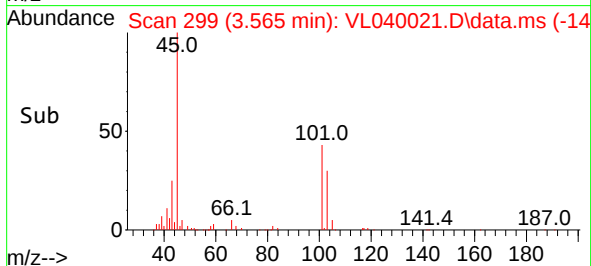
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 45 Resp: 174550
Ion Ratio Lower Upper
45 100
58 3.9 1.7 2.5

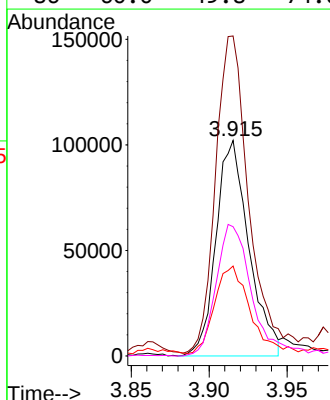
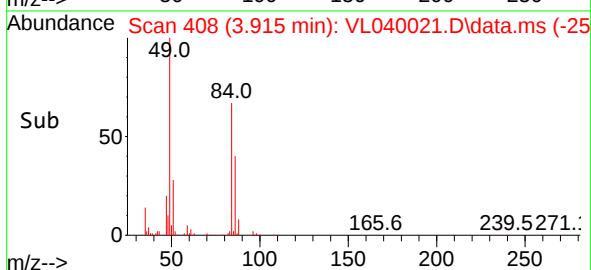
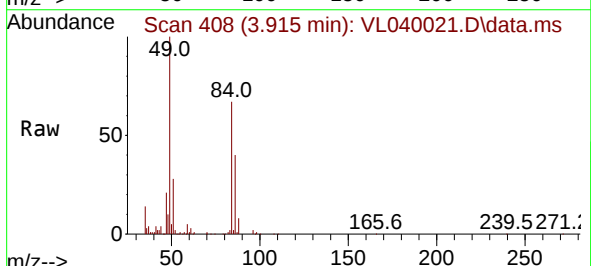
Manual Integrations
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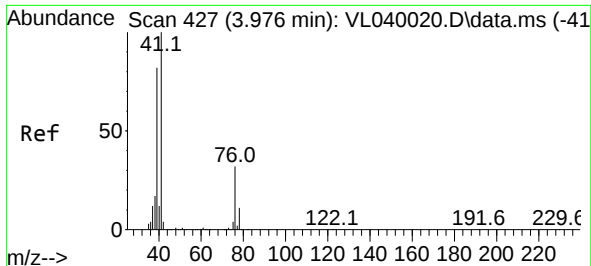
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#20
Methylene Chloride
Concen: 2.219 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

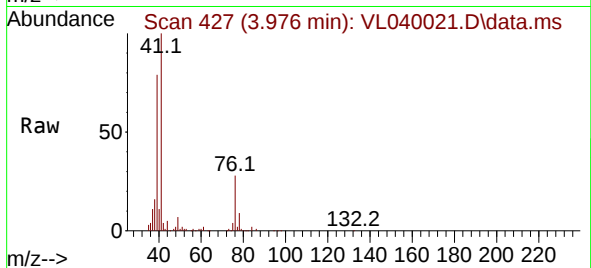
Tgt Ion: 84 Resp: 149987
Ion Ratio Lower Upper
84 100
49 146.7 120.5 180.7
51 39.8 35.2 52.8
86 60.0 49.8 74.6





#21
 Allyl Chloride
 Concen: 2.223 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

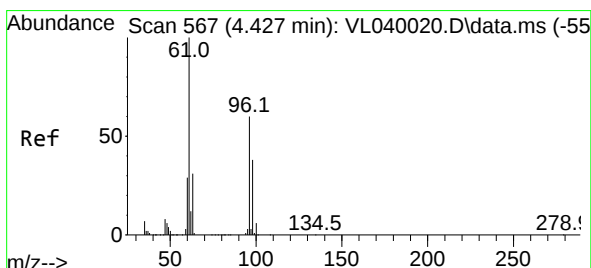
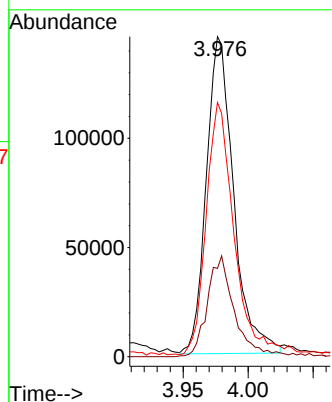
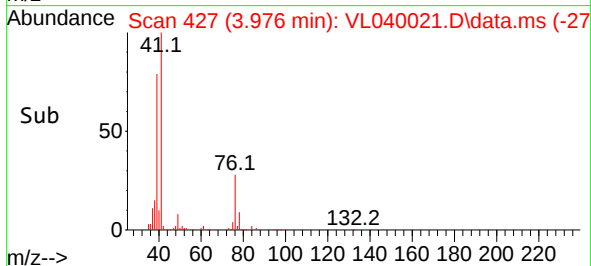
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



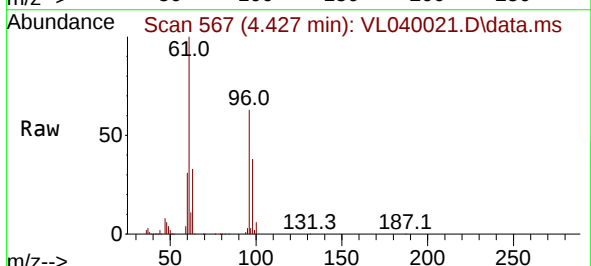
Tgt Ion: 41 Resp: 212385
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.9 38.9
 39 84.0 66.0 99.0

Manual Integrations
 APPROVED

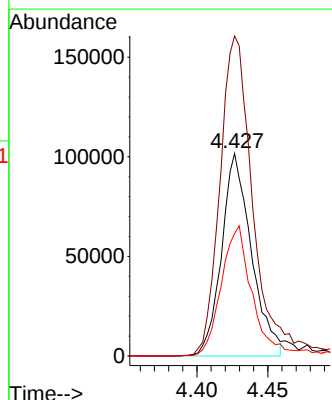
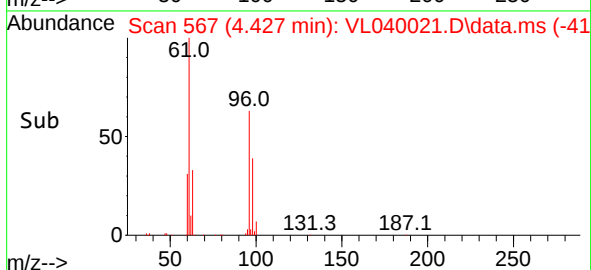
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

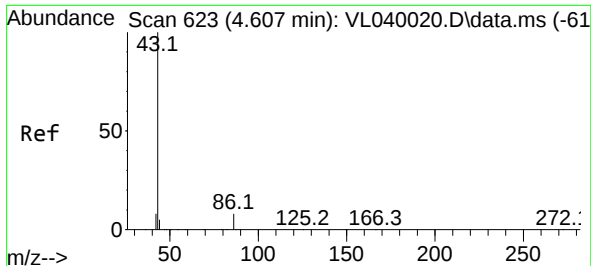


#22
 trans-1,2-Dichloroethene
 Concen: 2.167 ppbv
 RT: 4.427 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16



Tgt Ion: 96 Resp: 148825
 Ion Ratio Lower Upper
 96 100
 61 157.9 133.6 200.4
 98 60.5 51.4 77.0





#23
 Vinyl Acetate
 Concen: 2.253 ppbv m
 RT: 4.610 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_1

ClientSampleId :

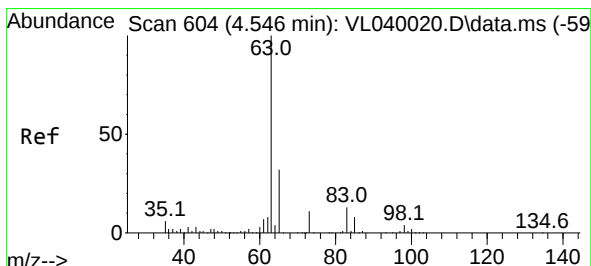
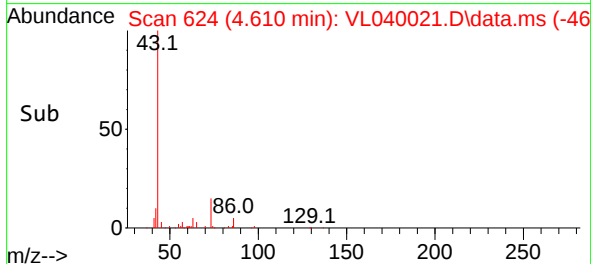
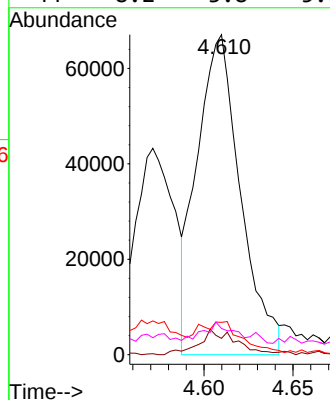
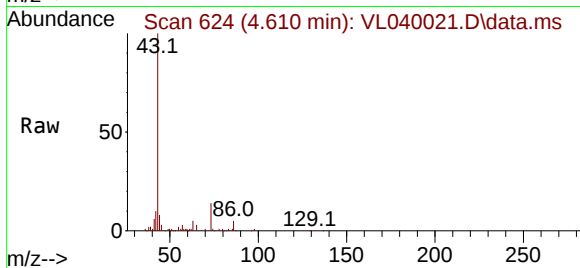
VSTDIC002

Tgt Ion: 43 Resp: 11357
 Ion Ratio Lower Upper
 43 100
 86 5.1 5.3 7.9
 42 10.1 7.4 11.0
 44 8.2 3.8 5.6#

Manual Integrations

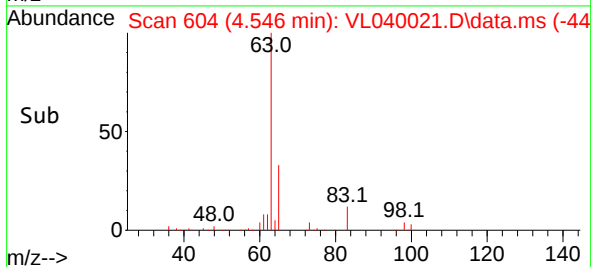
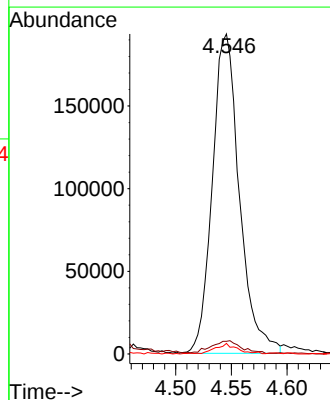
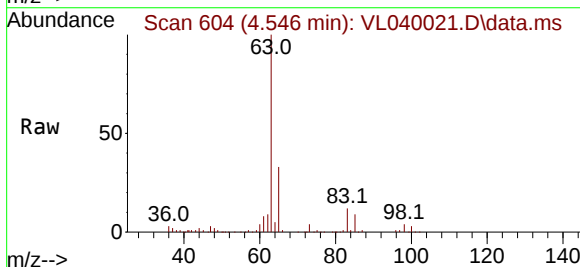
APPROVED

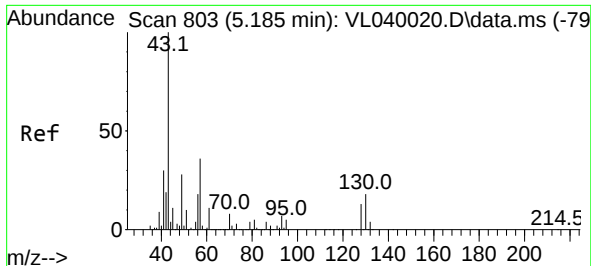
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#24
 1,1-Dichloroethane
 Concen: 2.210 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

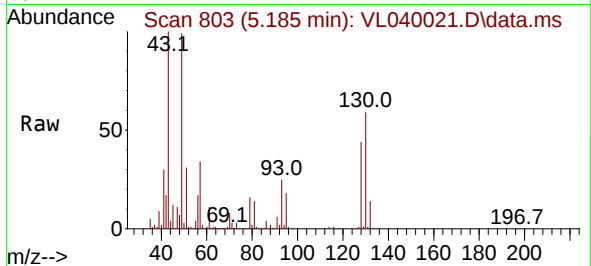
Tgt Ion: 63 Resp: 327185
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.1 6.2
 100 3.3 1.1 3.3





#25
Ethyl Acetate
Concen: 2.215 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

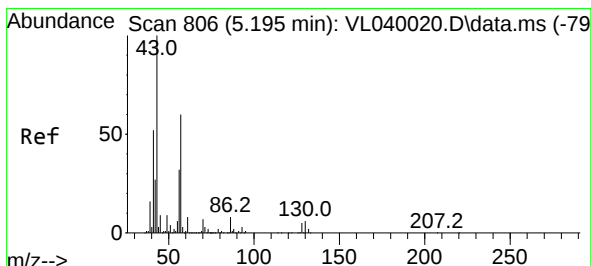
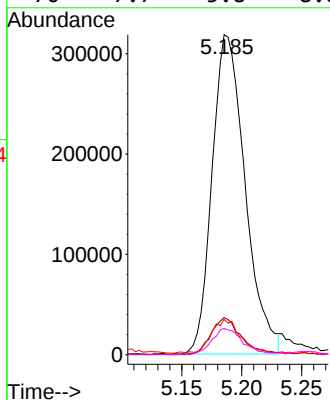
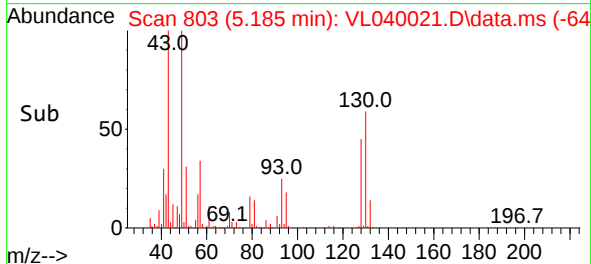


Tgt Ion: 43 Resp: 60981

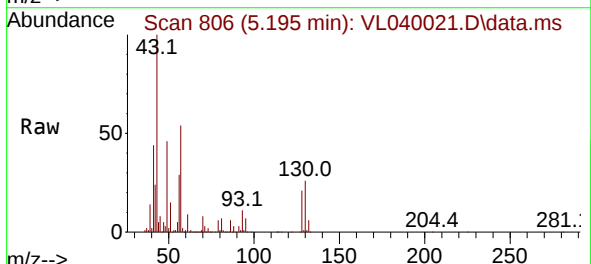
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.6	12.8
61	10.4	8.5	12.7
70	7.7	5.8	8.8

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

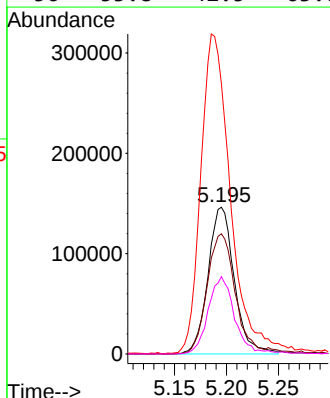
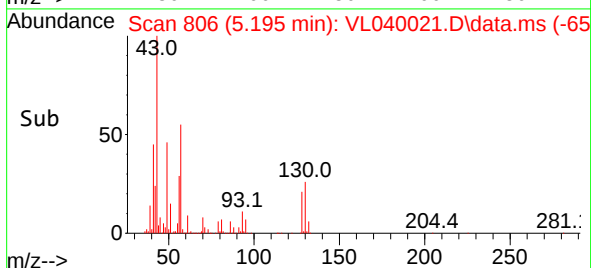


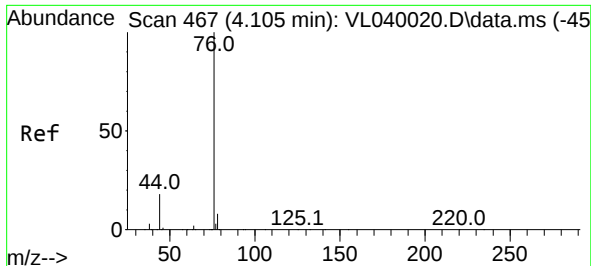
#26
Hexane
Concen: 2.227 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion: 57 Resp: 257657

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.1	108.1
43	249.7	192.1	288.1
56	53.8	42.5	63.7





#27

Carbon Disulfide

Concen: 2.236 ppbv

RT: 4.108 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

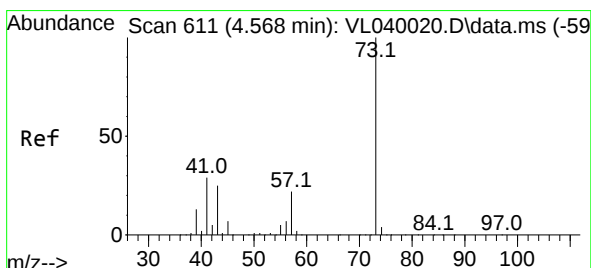
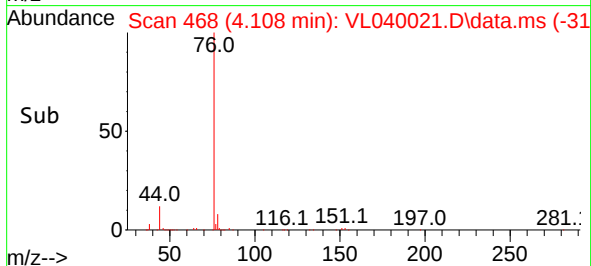
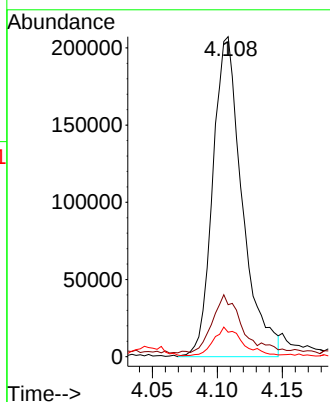
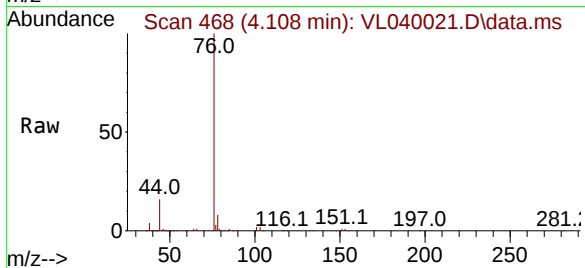
VSTDIC002

Tgt Ion: 76 Resp: 326420
 Ion Ratio Lower Upper
 76 100
 44 18.8 15.3 22.9
 78 10.6 7.8 11.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#28

Methyl tert-Butyl Ether

Concen: 2.232 ppbv

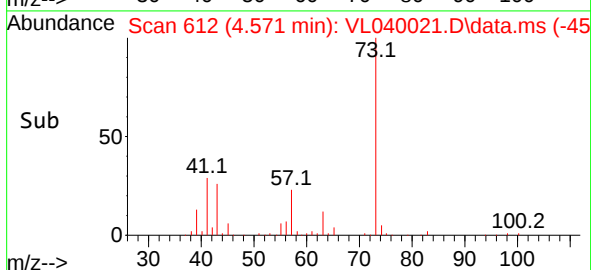
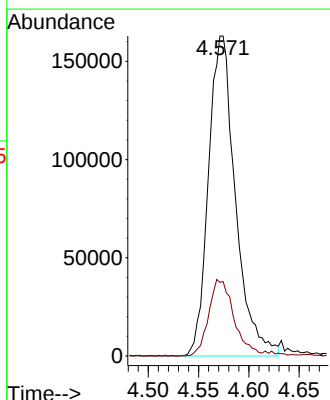
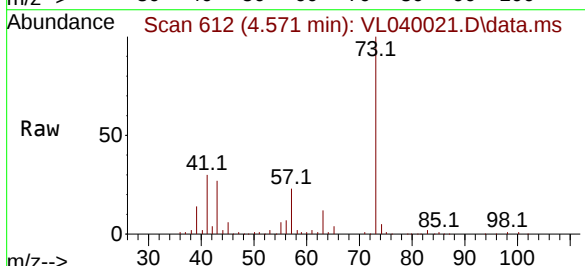
RT: 4.571 min Scan# 612

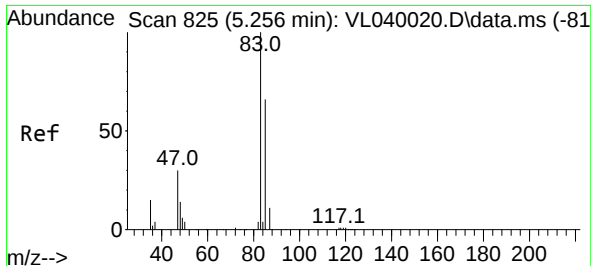
Delta R.T. 0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion: 73 Resp: 304359
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.6 28.0





#29

Chloroform

Concen: 2.155 ppbv

RT: 5.256 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 380604

Ion Ratio Lower Upper

83 100

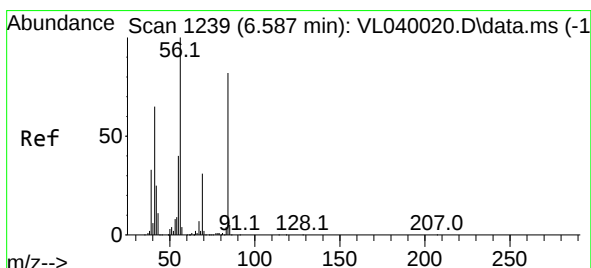
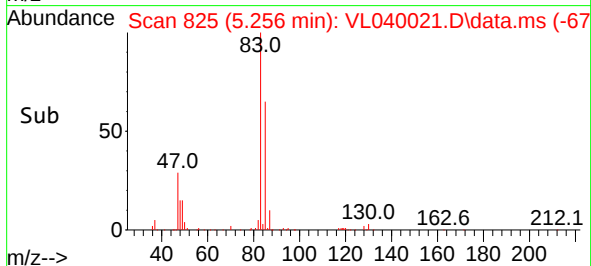
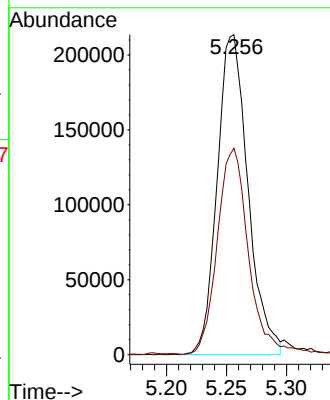
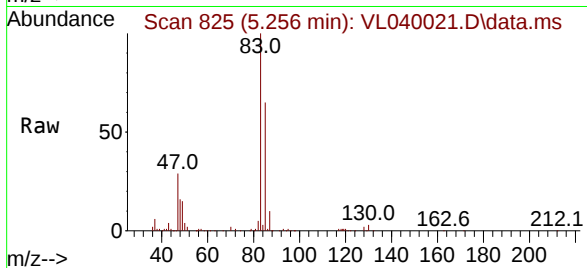
85 64.3 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#30

Cyclohexane

Concen: 2.270 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

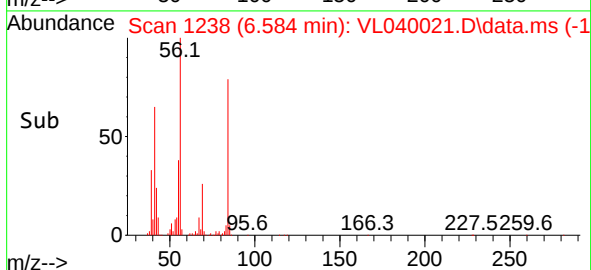
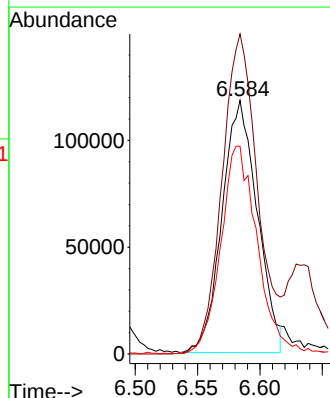
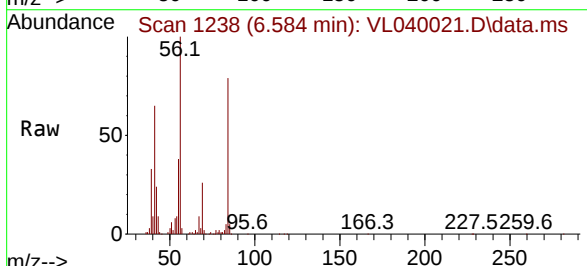
Tgt Ion: 84 Resp: 232628

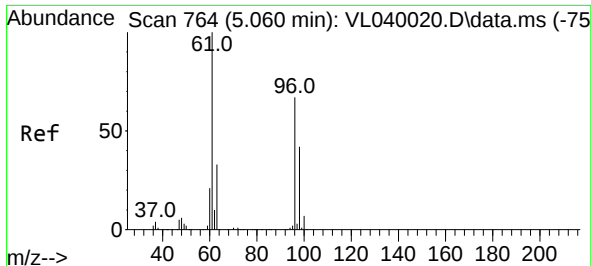
Ion Ratio Lower Upper

84 100

56 128.0 110.2 165.4

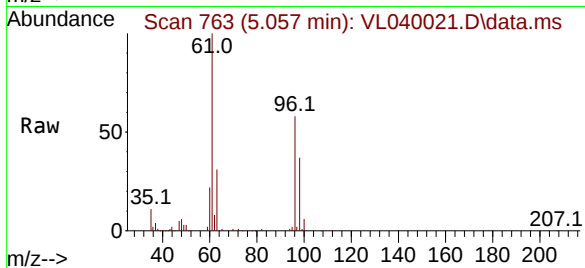
41 86.2 67.8 101.8





#31
cis-1,2-Dichloroethene
Concen: 2.128 ppbv
RT: 5.057 min Scan# 763
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

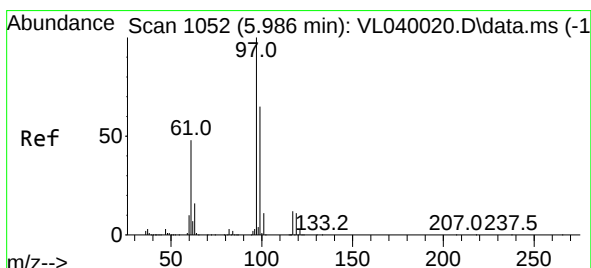
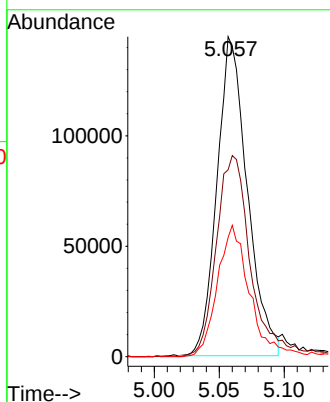
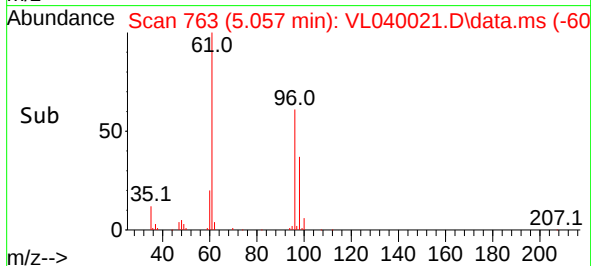
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 61 Resp: 23451
Ion Ratio Lower Upper
61 100
96 58.6 53.4 80.2
98 37.4 33.4 50.0

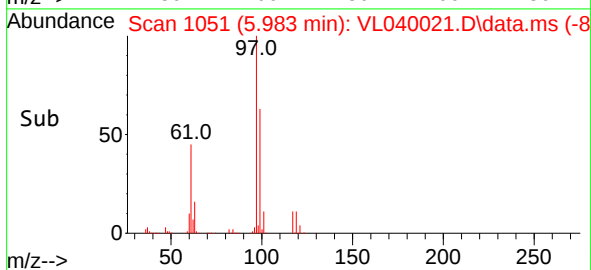
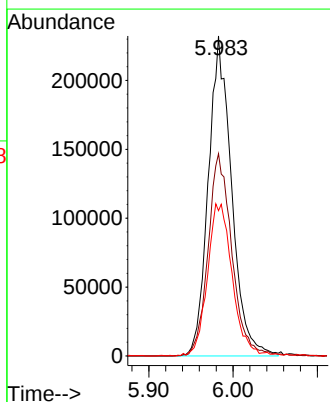
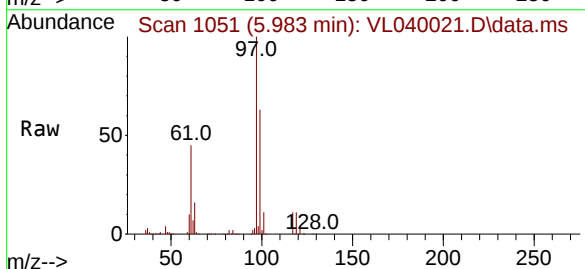
Manual Integrations
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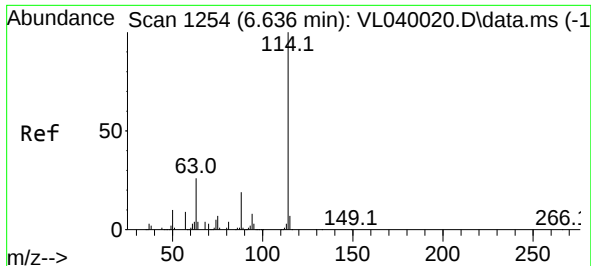
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#32
1,1,1-Trichloroethane
Concen: 2.350 ppbv
RT: 5.983 min Scan# 1051
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 97 Resp: 445704
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 51.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:114 Resp: 301031

Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.2

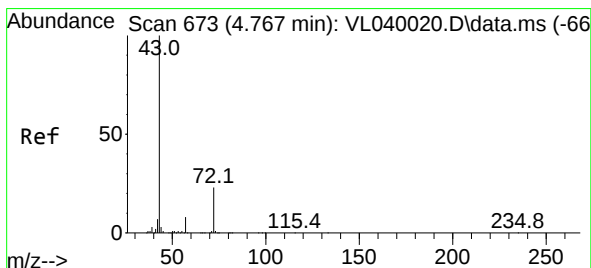
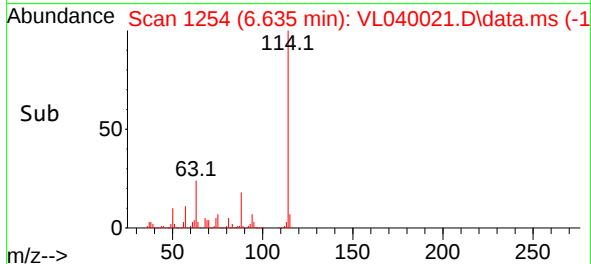
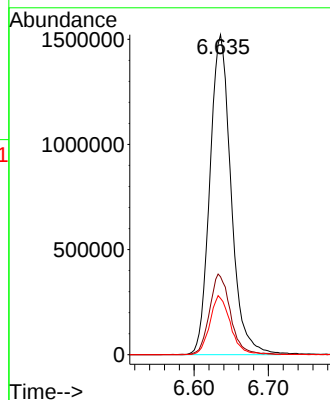
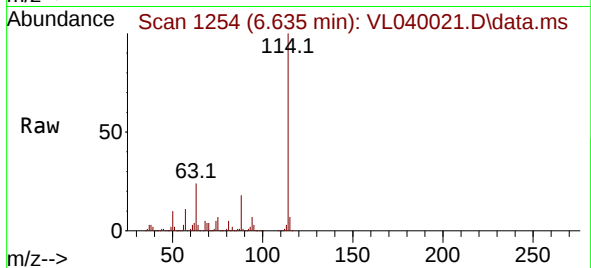
88 18.1 14.6 21.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#34

2-Butanone

Concen: 2.308 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.003 min

Lab File: VL040021.D

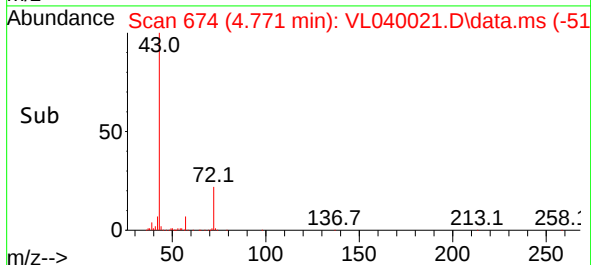
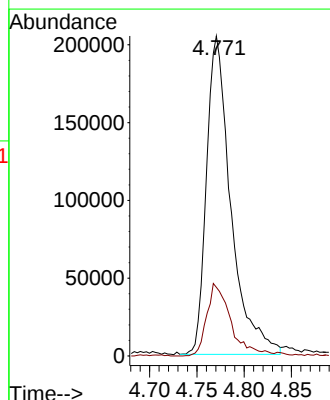
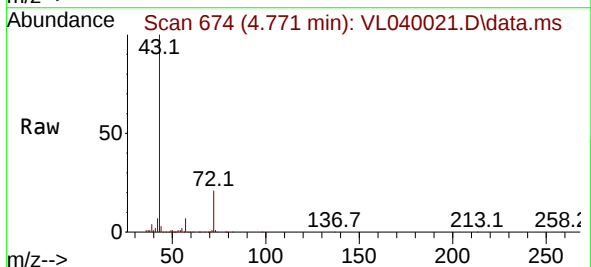
Acq: 19 Dec 2022 10:16

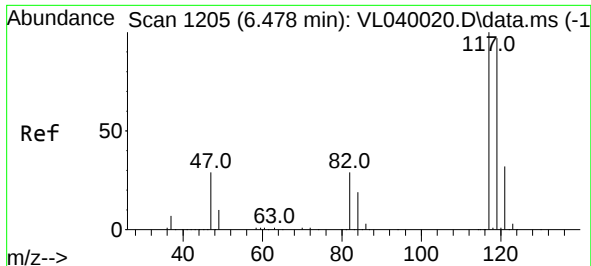
Tgt Ion: 43 Resp: 366782

Ion Ratio Lower Upper

43 100

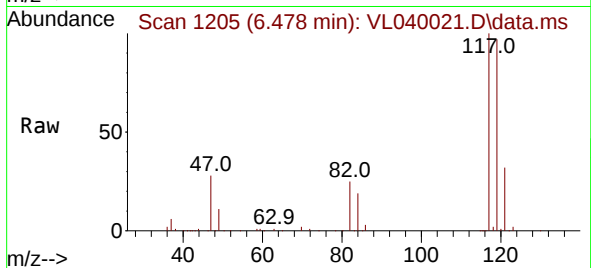
72 23.4 18.0 27.0





#35
Carbon Tetrachloride
Concen: 2.359 ppbv
RT: 6.478 min Scan# 1165
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

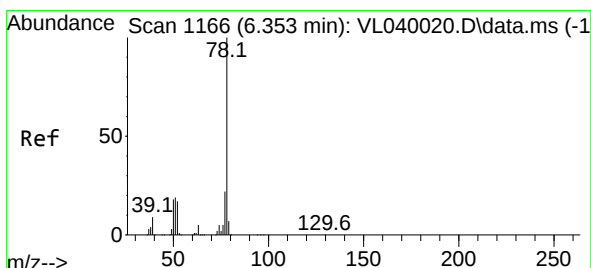
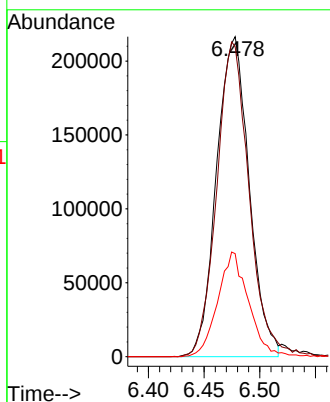
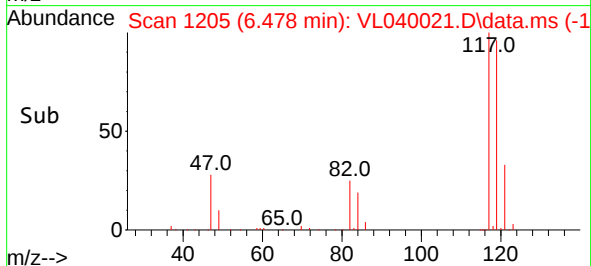
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



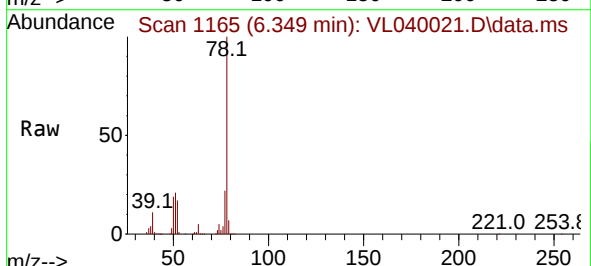
Tgt Ion: 117 Resp: 44170
Ion Ratio Lower Upper
117 100
119 96.9 77.3 115.9
121 32.2 25.4 38.0

Manual Integrations
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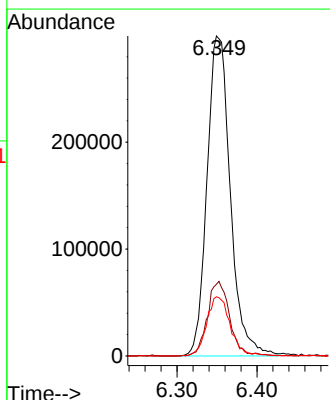
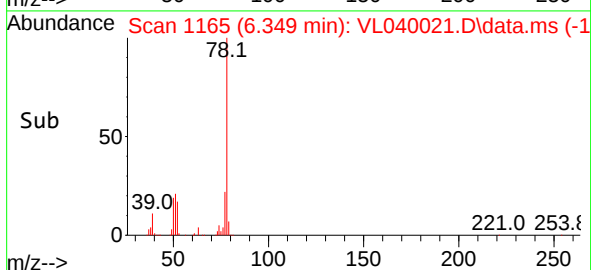
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

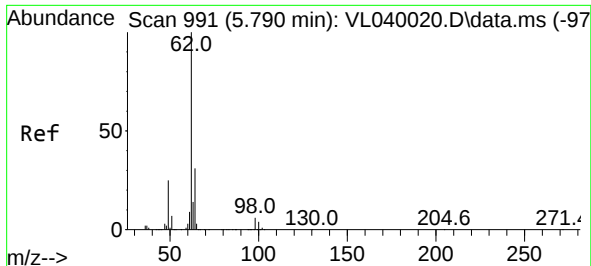


#36
Benzene
Concen: 2.257 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion: 78 Resp: 606672
Ion Ratio Lower Upper
78 100
77 22.3 17.5 26.3
50 18.5 14.2 21.2





#37

1,2-Dichloroethane

Concen: 2.273 ppbv

RT: 5.787 min Scan# 991

Delta R.T. -0.003 min

Lab File: VL040021.D

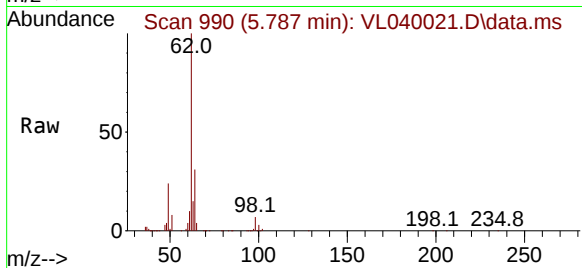
Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion: 62 Resp: 358418

Ion Ratio Lower Upper

62 100

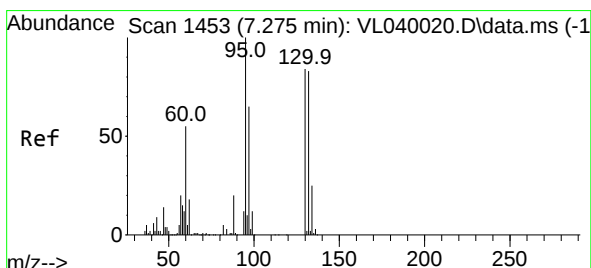
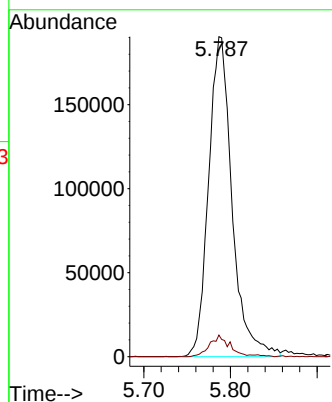
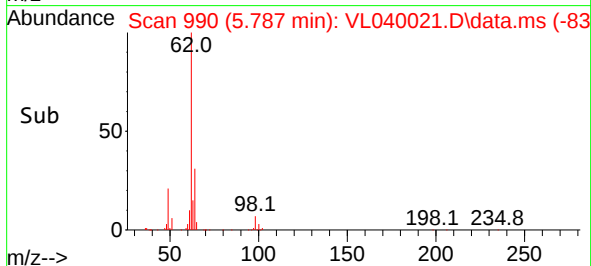
98 6.1 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#38

Trichloroethene

Concen: 2.371 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion:130 Resp: 329383

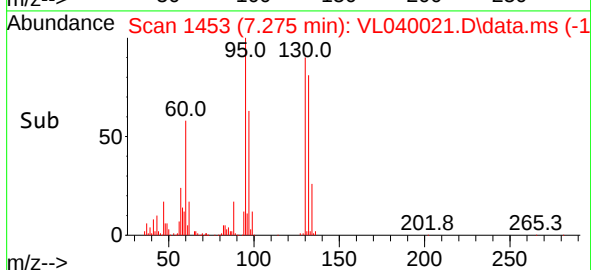
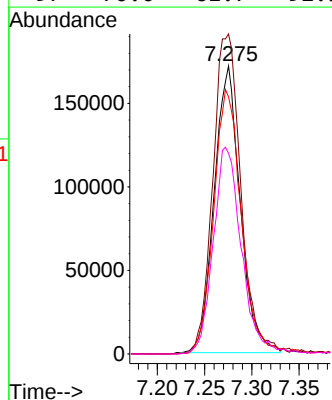
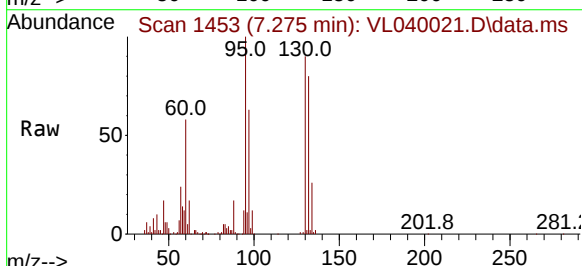
Ion Ratio Lower Upper

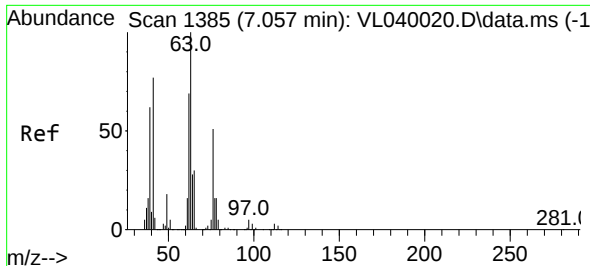
130 100

95 111.4 94.8 142.2

132 89.5 78.2 117.4

97 70.0 61.7 92.5





#39

1,2-Dichloropropane

Concen: 2.247 ppbv

RT: 7.053 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040021.D

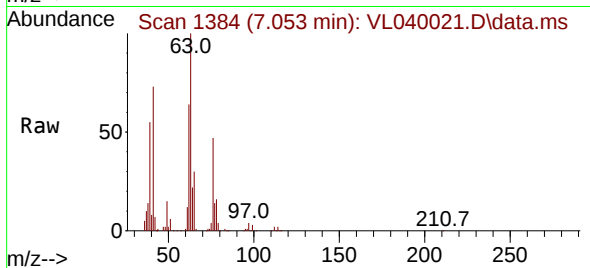
Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion: 63 Resp: 22639

Ion Ratio Lower Upper

63 100

41 72.7 61.4 92.0

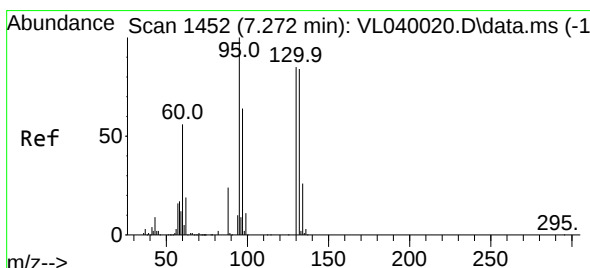
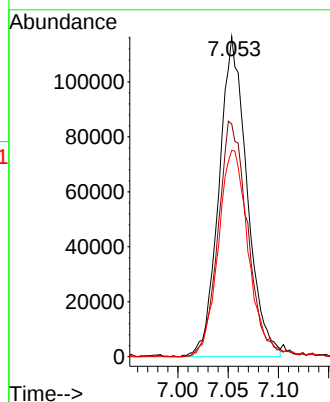
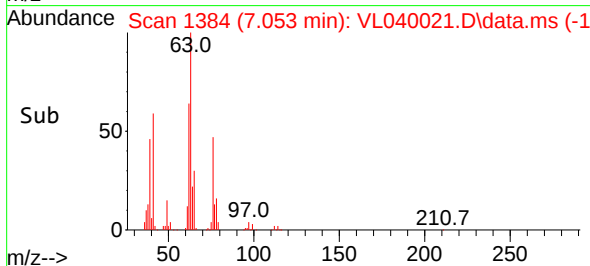
62 64.4 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#40

1,4-Dioxane

Concen: 2.206 ppbv m

RT: 7.282 min Scan# 1455

Delta R.T. 0.010 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion: 88 Resp: 100815

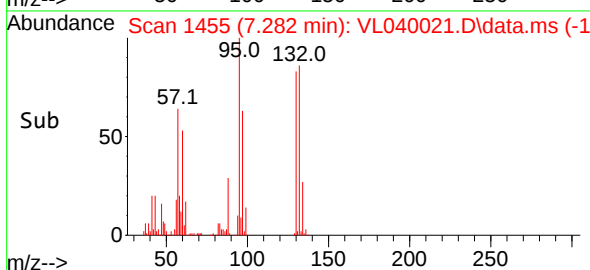
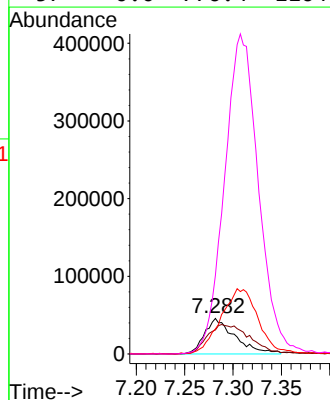
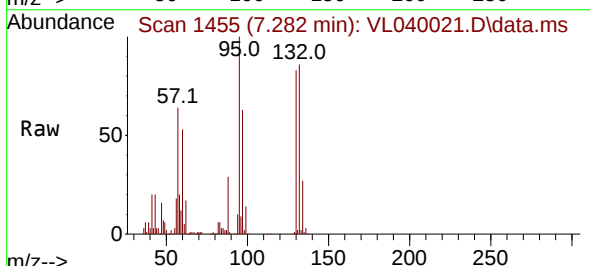
Ion Ratio Lower Upper

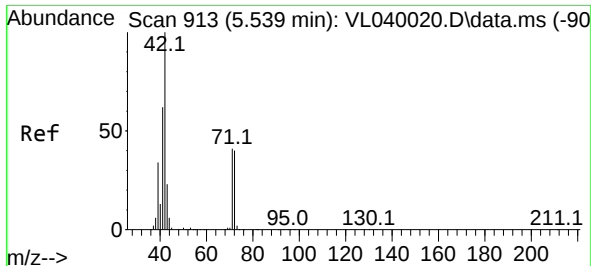
88 100

58 116.4 92.7 139.1

43 0.0 174.6 261.8#

57 0.0 776.4 1164.6#





#41

Tetrahydrofuran

Concen: 2.366 ppbv m

RT: 5.552 min Scan# 913

Delta R.T. 0.013 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

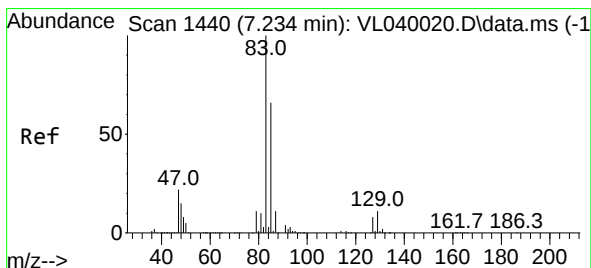
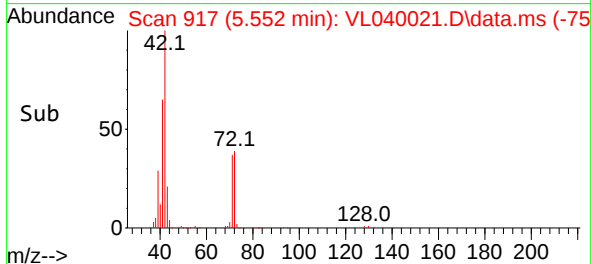
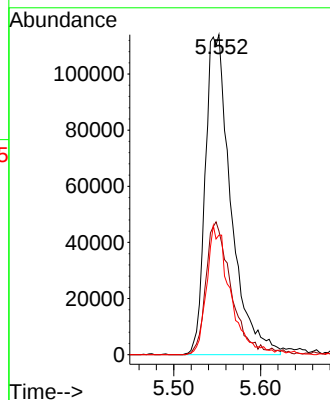
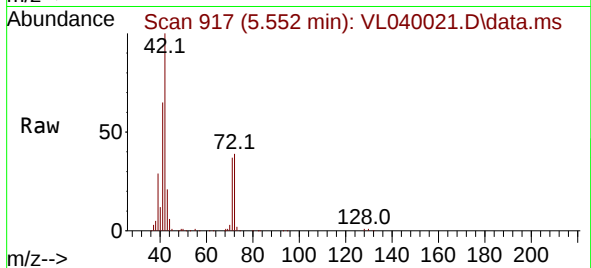
Tgt Ion: 42 Resp: 233530

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.9	49.3
71	37.9	32.2	48.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#42

Bromodichloromethane

Concen: 2.251 ppbv

RT: 7.227 min Scan# 1438

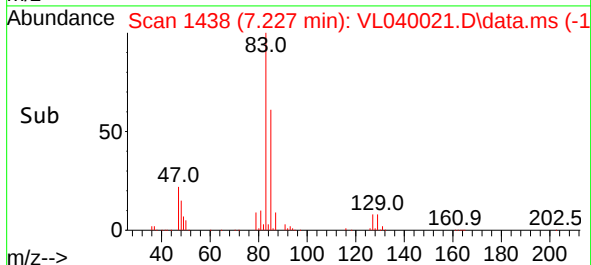
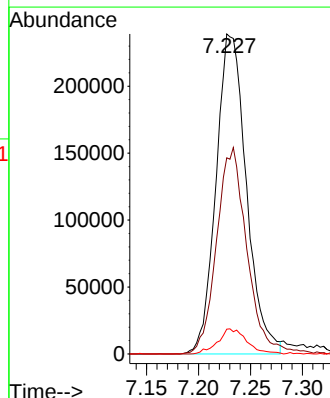
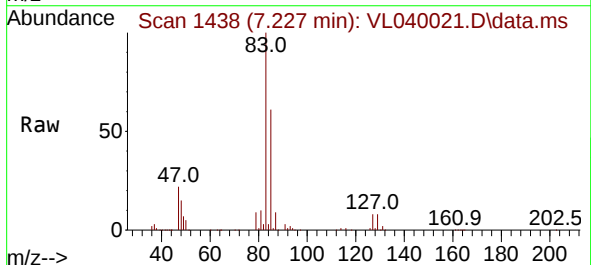
Delta R.T. -0.006 min

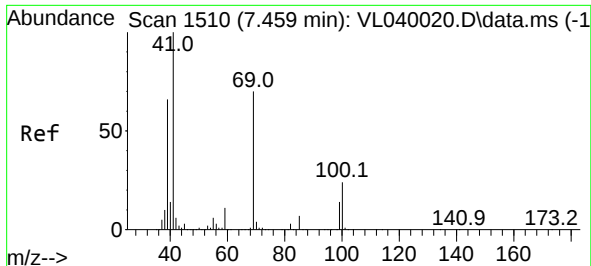
Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Tgt Ion: 83 Resp: 485434

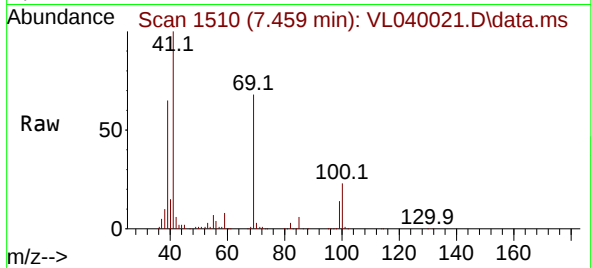
Ion	Ratio	Lower	Upper
83	100		
85	61.3	53.0	79.6
127	7.8	6.2	9.2





#43
Methyl Methacrylate
Concen: 2.295 ppbv
RT: 7.459 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

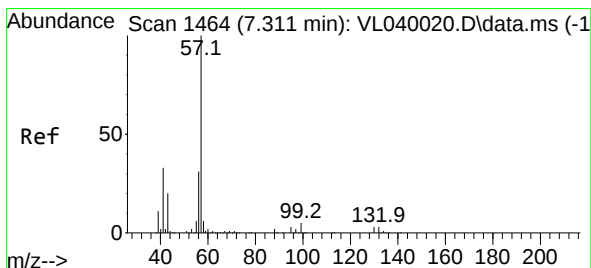
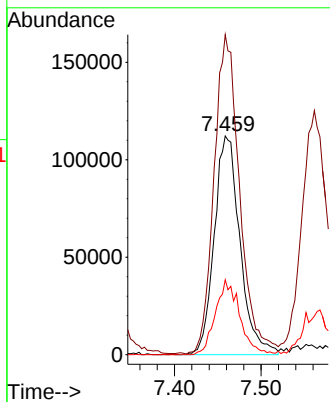
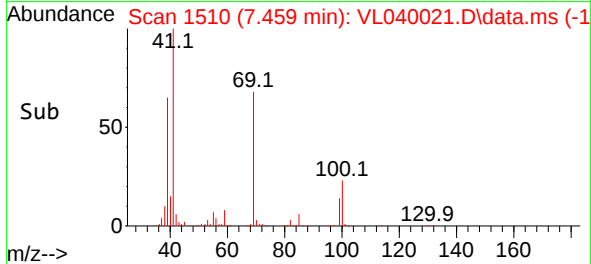
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



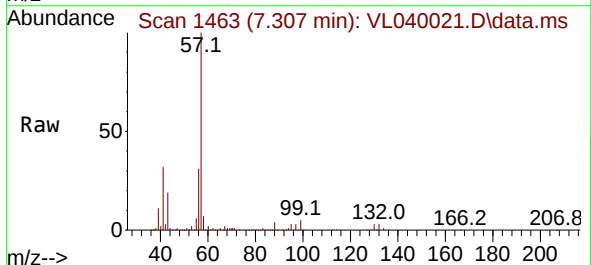
Tgt Ion: 69 Resp: 231534
Ion Ratio Lower Upper
69 100
41 144.6 115.7 173.5
100 32.3 26.0 39.0

Manual Integrations
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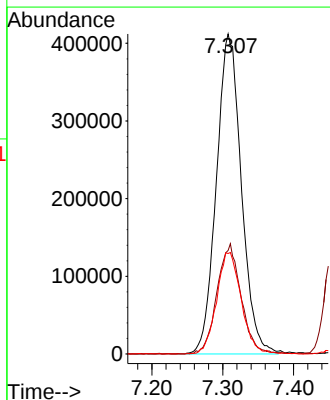
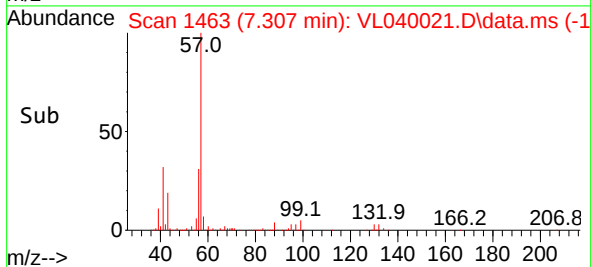
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

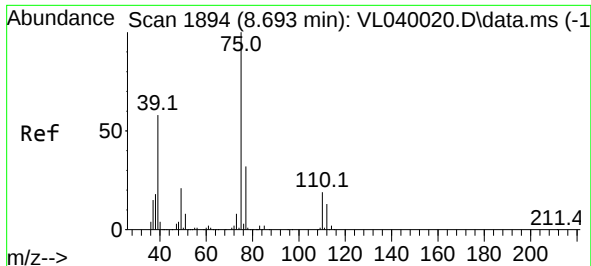


#44
2,2,4-Trimethylpentane
Concen: 2.277 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



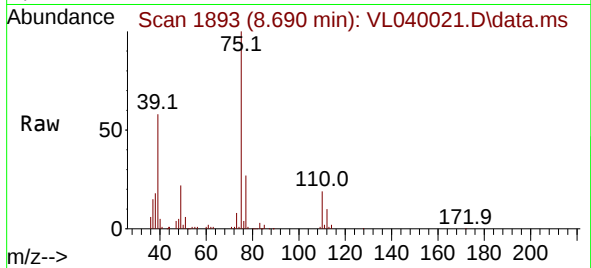
Tgt Ion: 57 Resp: 1007975
Ion Ratio Lower Upper
57 100
41 33.3 26.2 39.4
56 31.4 25.1 37.7





#45
t-1,3-Dichloropropene
Concen: 2.165 ppbv
RT: 8.690 min Scan# 1894
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

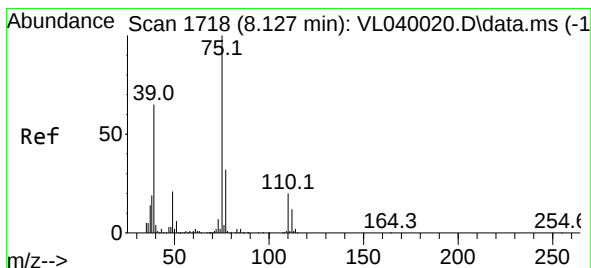
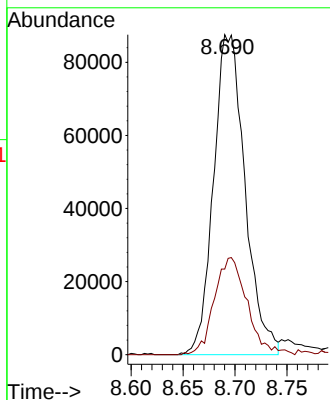
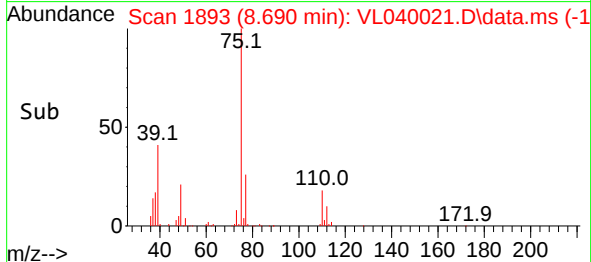
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 75 Resp: 18461
Ion Ratio Lower Upper
75 100
77 26.8 25.4 38.2

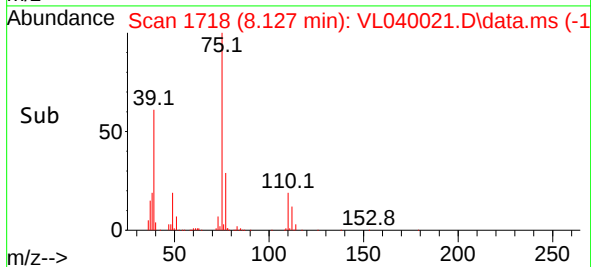
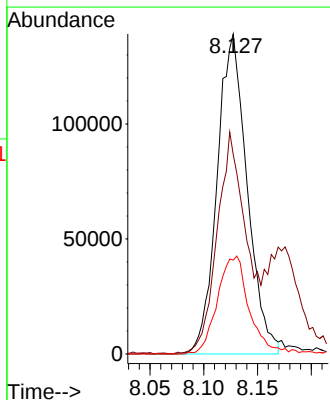
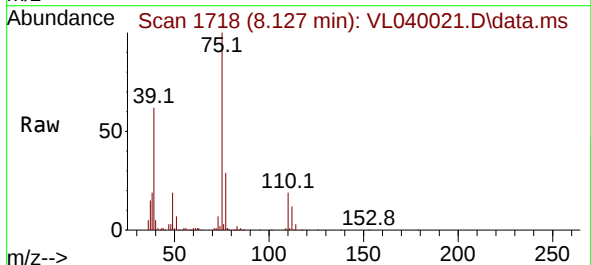
Manual Integrations
APPROVED

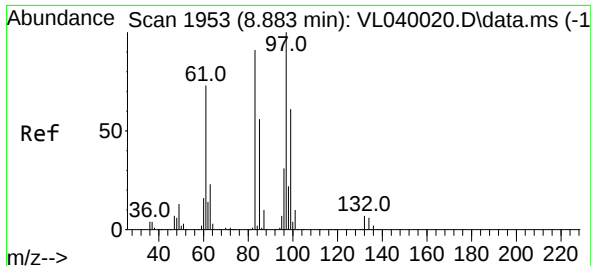
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#46
cis-1,3-Dichloropropene
Concen: 2.250 ppbv
RT: 8.127 min Scan# 1718
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 75 Resp: 270584
Ion Ratio Lower Upper
75 100
39 61.7 51.7 77.5
77 29.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 2.262 ppbv

RT: 8.880 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 24942

Ion Ratio Lower Upper

97 100

83 86.5 72.5 108.7

85 53.7 45.0 67.6

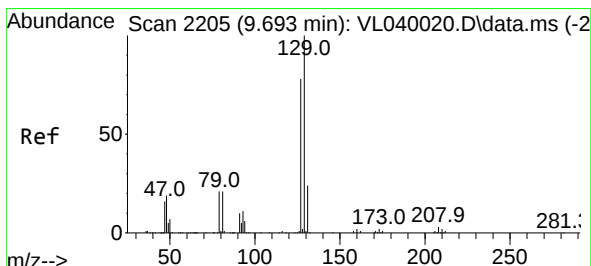
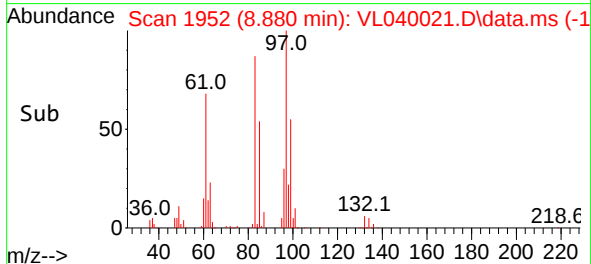
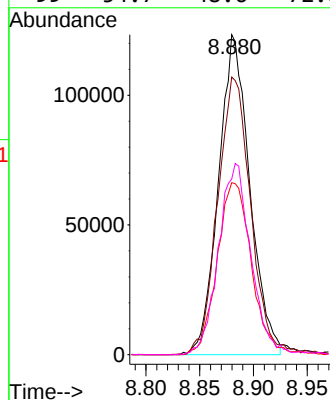
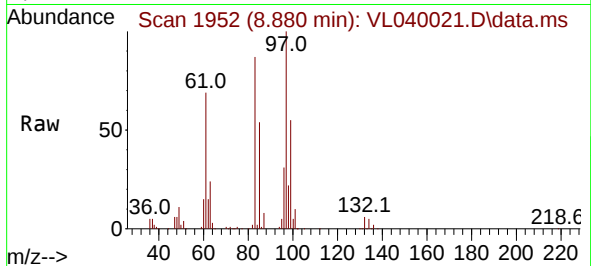
99 54.7 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#48

Dibromochloromethane

Concen: 2.262 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. -0.000 min

Lab File: VL040021.D

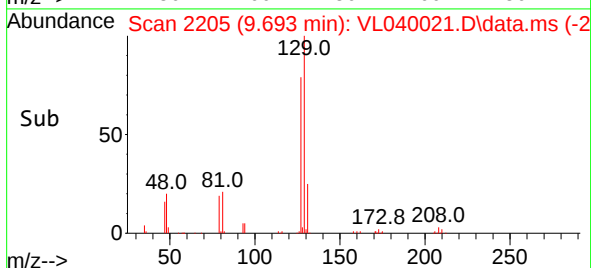
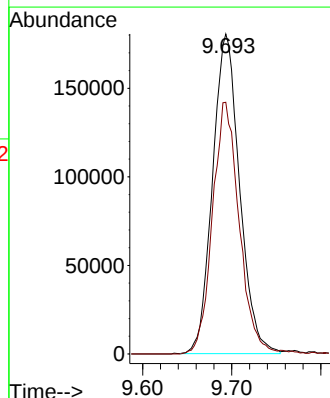
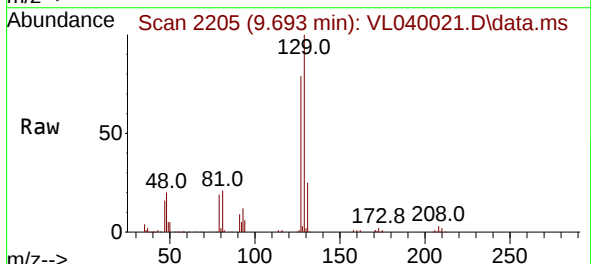
Acq: 19 Dec 2022 10:16

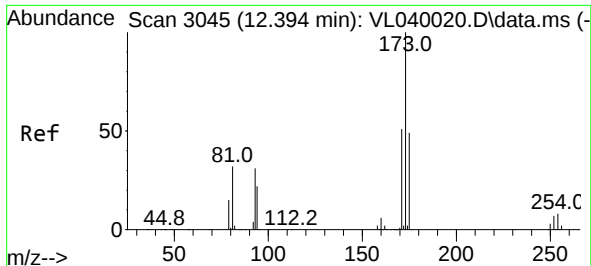
Tgt Ion:129 Resp: 380104

Ion Ratio Lower Upper

129 100

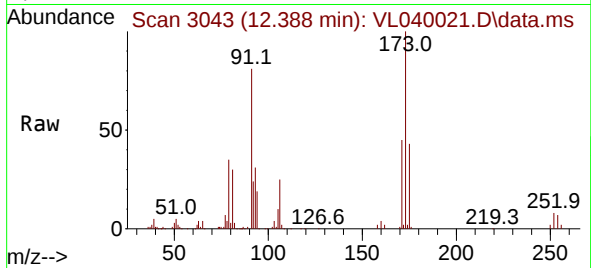
127 78.4 39.4 118.1





#49
Bromoform
Concen: 2.267 ppbv
RT: 12.388 min Scan# 3045
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

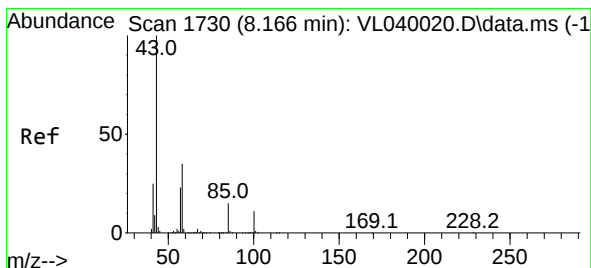
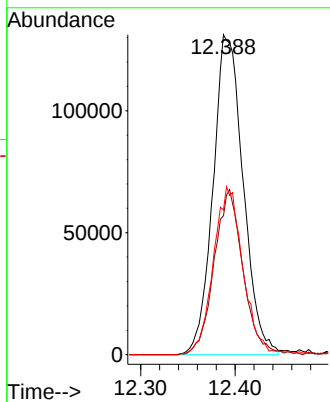
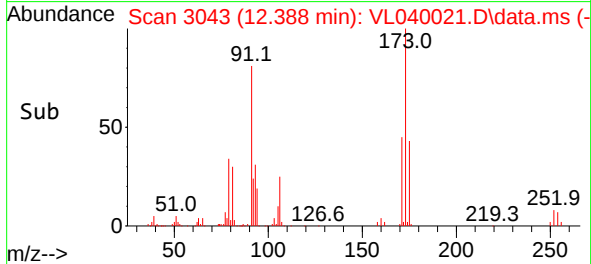
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 173 Resp: 290184
Ion Ratio Lower Upper
173 100
175 49.6 39.0 58.4
171 51.8 42.0 63.0

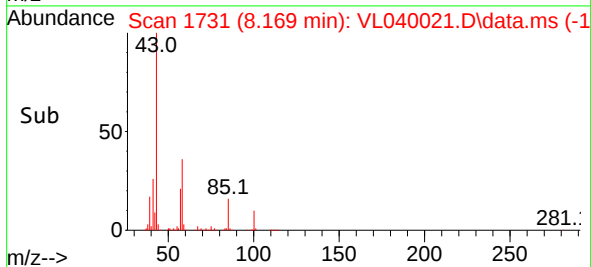
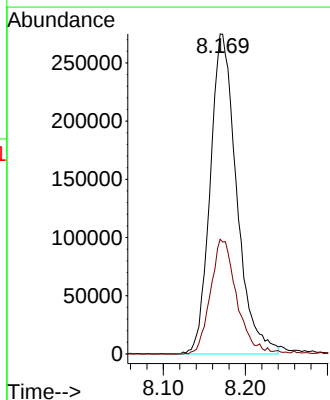
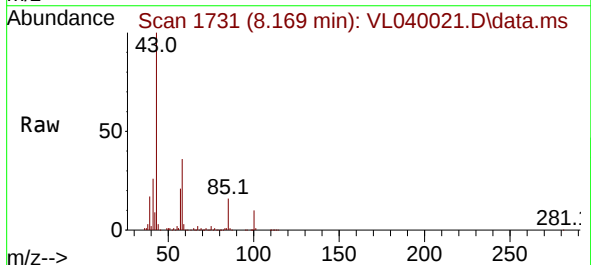
Manual Integrations
APPROVED

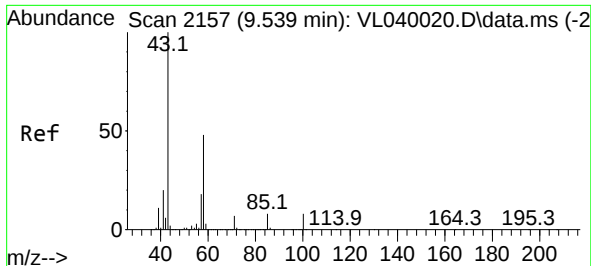
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#50
4-Methyl-2-Pentanone
Concen: 2.312 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

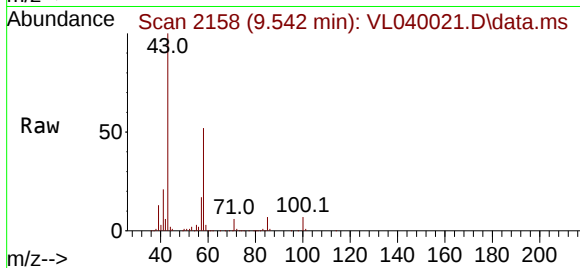
Tgt Ion: 43 Resp: 616955
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4





#51
2-Hexanone
Concen: 2.310 ppbv
RT: 9.542 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

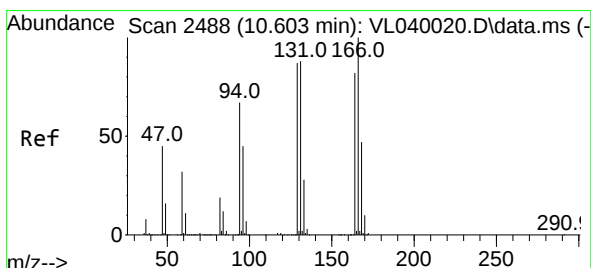
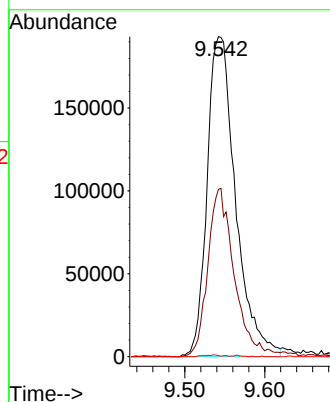
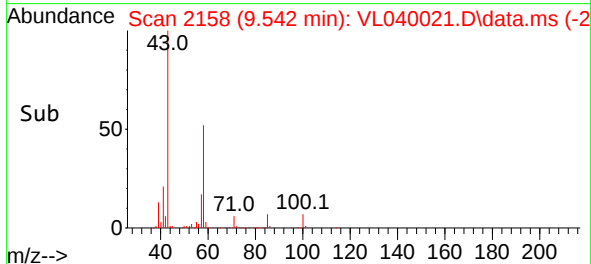
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



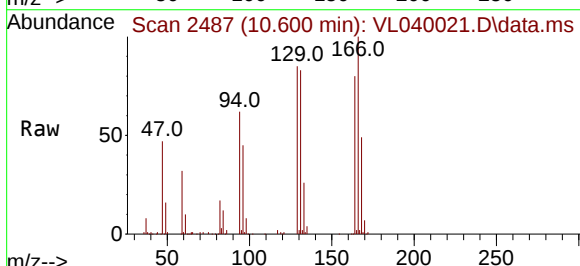
Tgt Ion: 43 Resp: 477905
Ion Ratio Lower Upper
43 100
58 49.8 39.4 59.2
98 0.5 0.2 0.4

Manual Integrations
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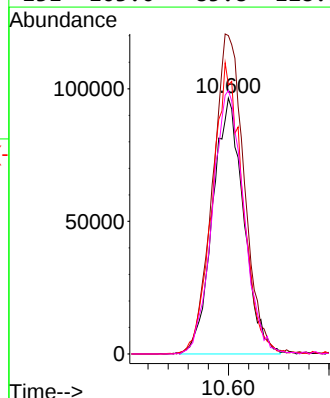
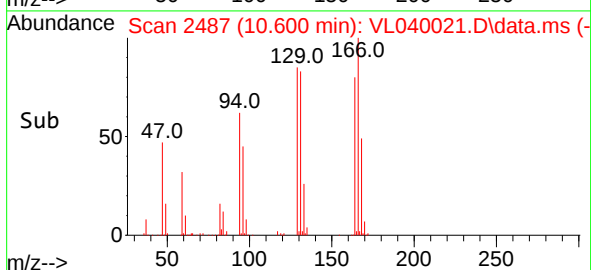
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

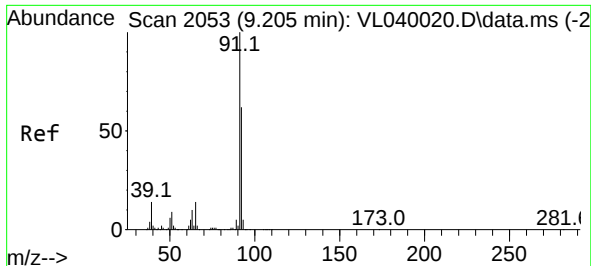


#52
Tetrachloroethene
Concen: 2.243 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion:164 Resp: 206385
Ion Ratio Lower Upper
164 100
166 123.8 97.4 146.0
129 104.5 84.3 126.5
131 103.0 85.8 128.8





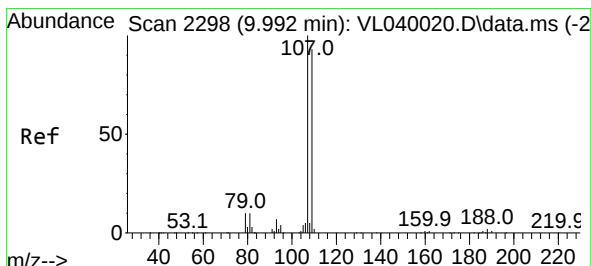
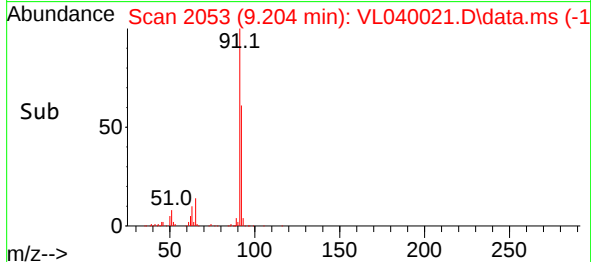
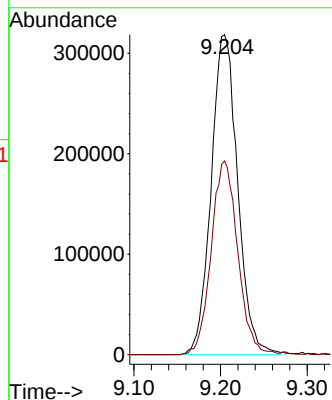
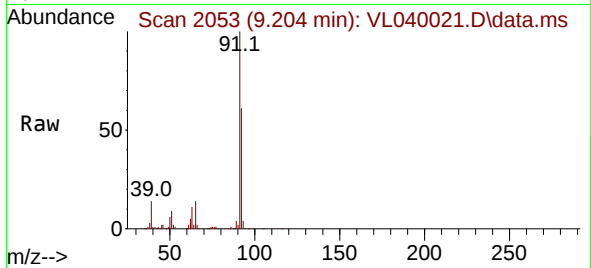
#53
Toluene
Concen: 2.273 ppbv
RT: 9.204 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 67653
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1

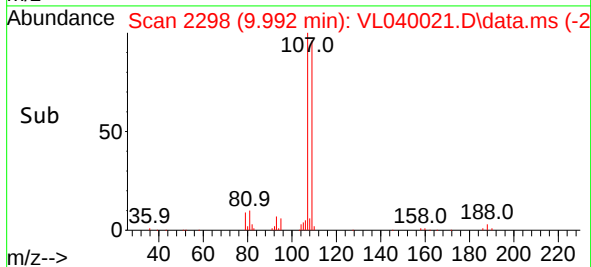
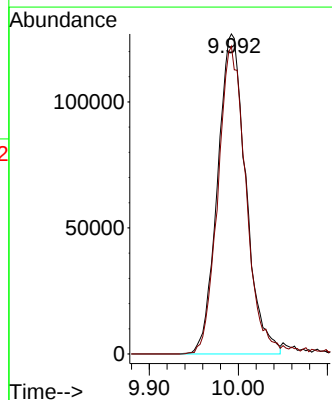
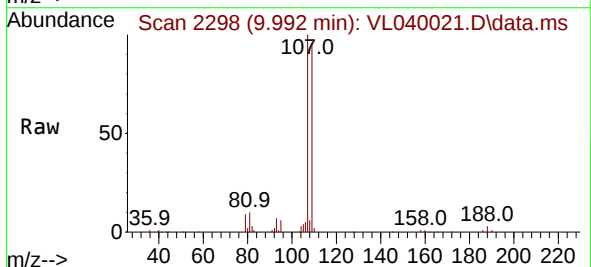
Manual Integrations
APPROVED

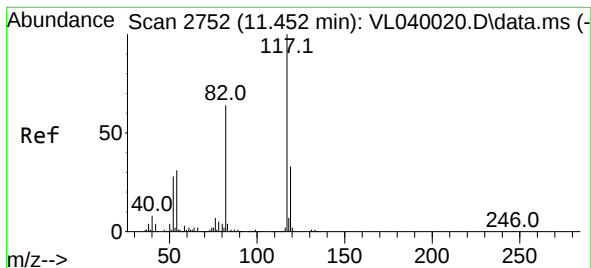
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#54
1,2-Dibromoethane
Concen: 2.374 ppbv
RT: 9.992 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion:107 Resp: 280198
Ion Ratio Lower Upper
107 100
109 96.1 74.1 111.1





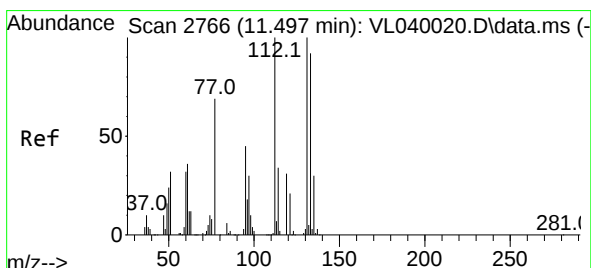
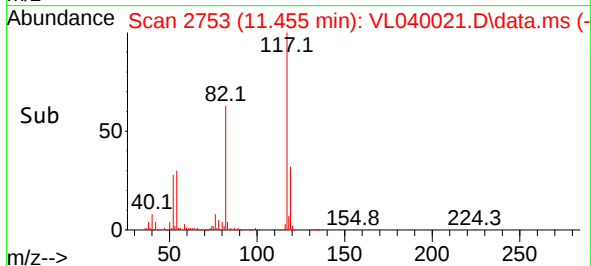
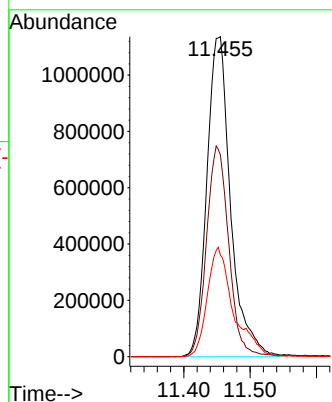
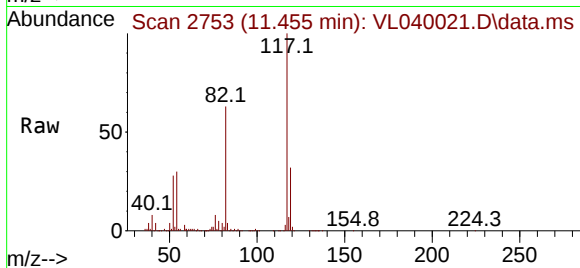
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 281974
Ion Ratio Lower Upper
117 100
82 62.2 51.2 76.8
119 37.7 23.2 34.8

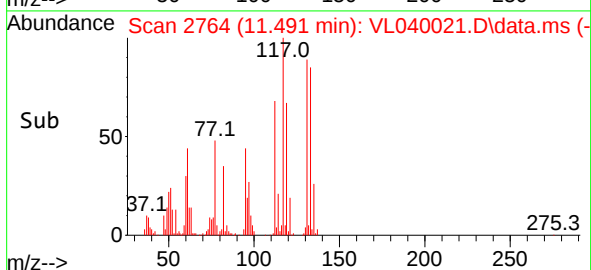
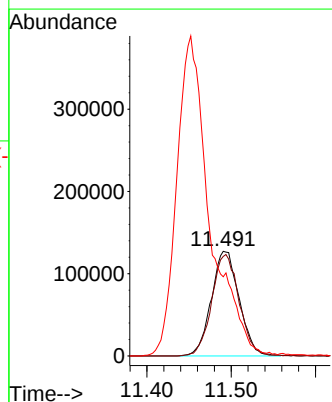
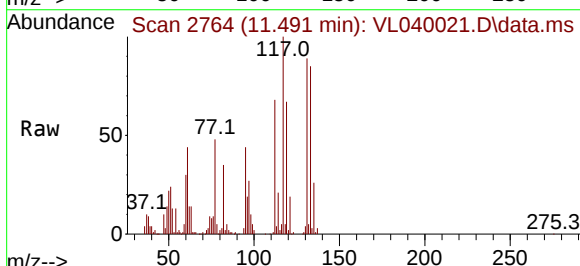
Manual Integrations
APPROVED

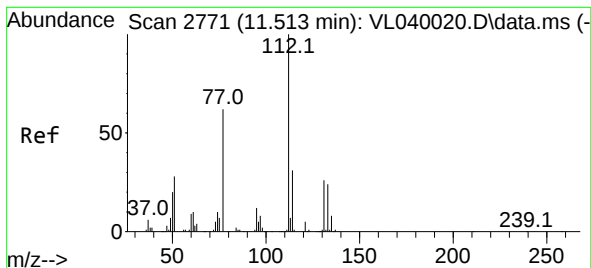
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#56
1,1,1,2-Tetrachloroethane
Concen: 2.242 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion:131 Resp: 291832
Ion Ratio Lower Upper
131 100
133 95.6 75.8 113.8
119 364.6 52.3 78.5





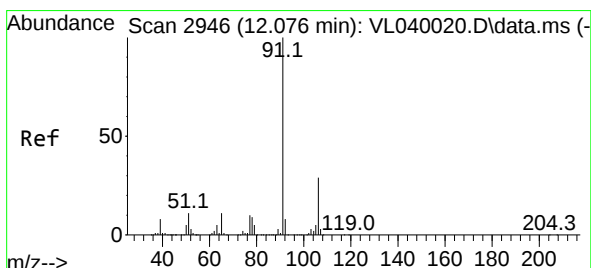
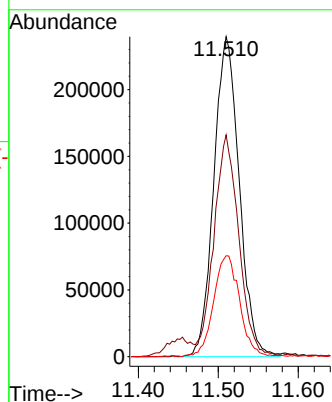
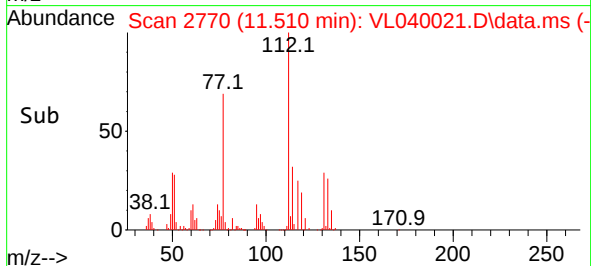
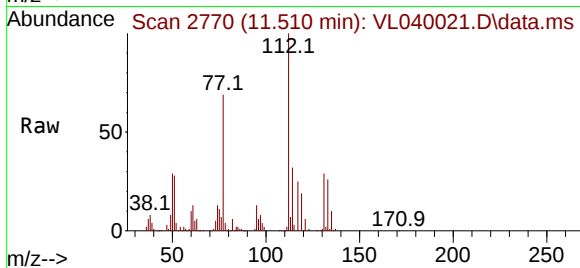
#57
Chlorobenzene
Concen: 2.208 ppbv
RT: 11.510 min Scan# 2771
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 52854
Ion Ratio Lower Upper
112 100
77 68.5 50.6 75.8
114 31.4 27.8 34.0

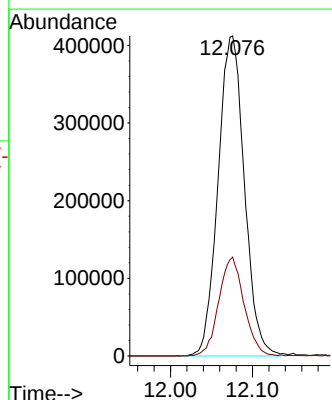
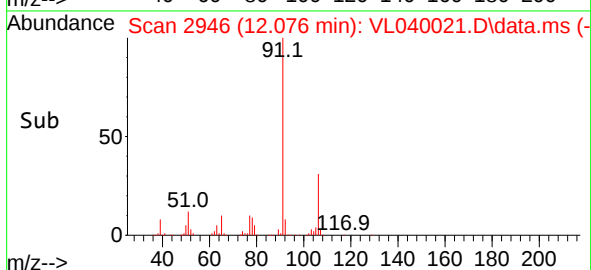
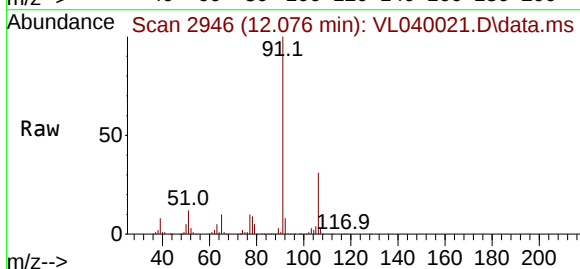
Manual Integrations
APPROVED

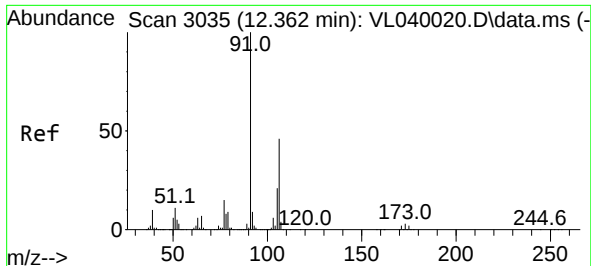
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#58
Ethyl Benzene
Concen: 2.299 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 91 Resp: 920923
Ion Ratio Lower Upper
91 100
106 30.9 23.5 35.3





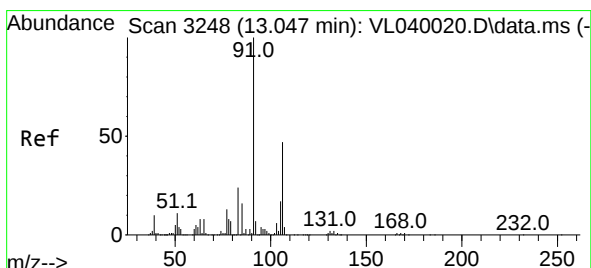
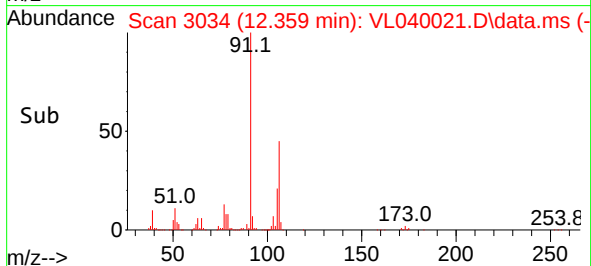
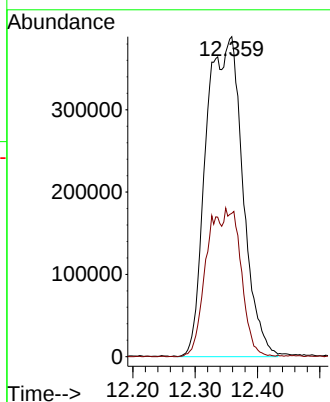
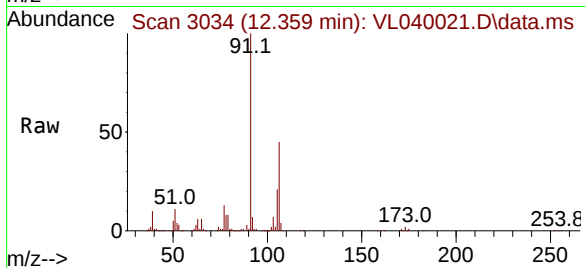
#59
m/p-Xylene
Concen: 4.533 ppbv m
RT: 12.359 min Scan# 3035
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 158203
Ion Ratio Lower Upper
91 100
106 43.5 35.5 53.3

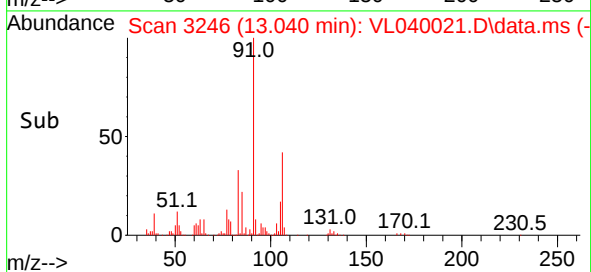
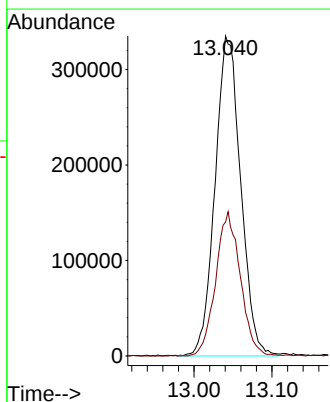
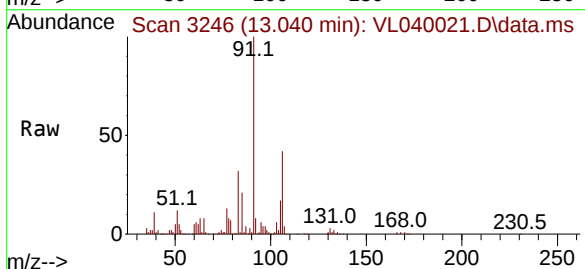
Manual Integrations
APPROVED

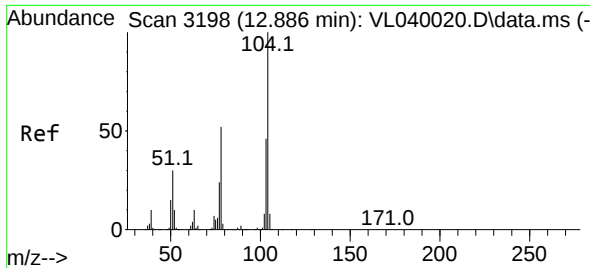
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#60
o-Xylene
Concen: 2.289 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Tgt Ion: 91 Resp: 765089
Ion Ratio Lower Upper
91 100
106 43.5 22.4 67.0





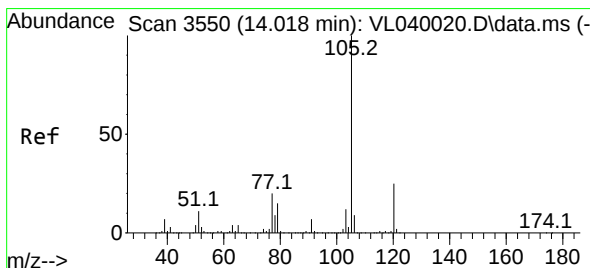
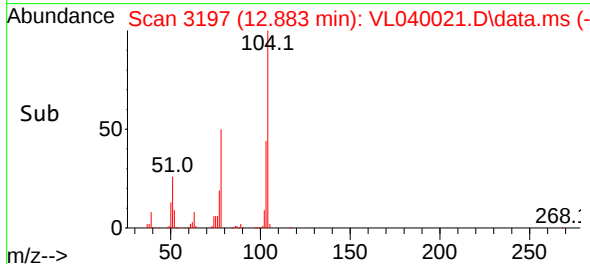
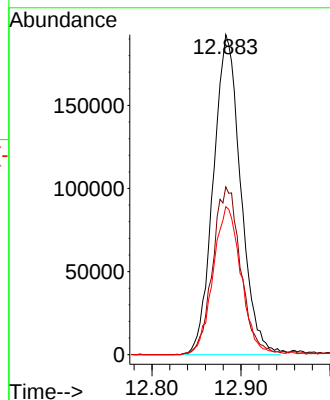
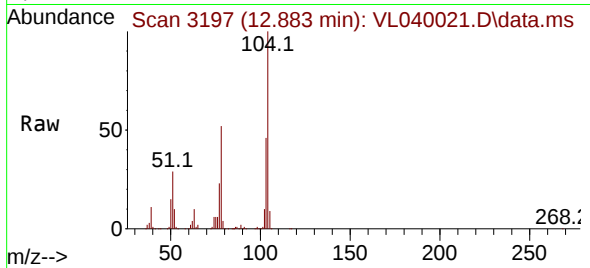
#61
Styrene
Concen: 2.308 ppbv
RT: 12.883 min Scan# 3197
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:104 Resp: 411314
Ion Ratio Lower Upper
104 100
78 54.2 42.4 63.6
103 48.0 37.2 55.8

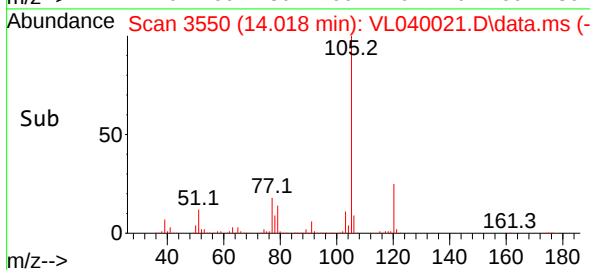
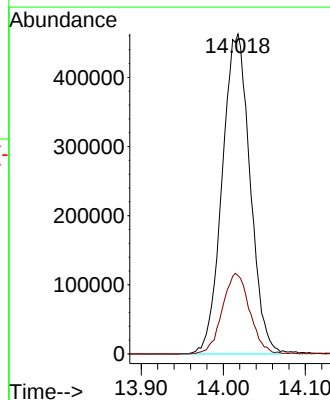
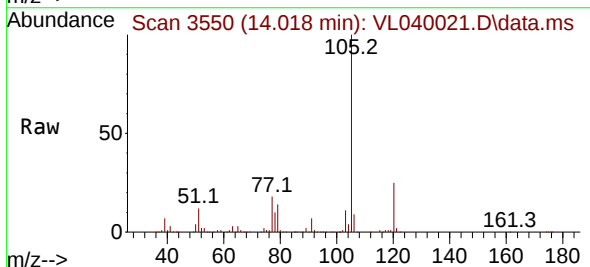
Manual Integrations
APPROVED

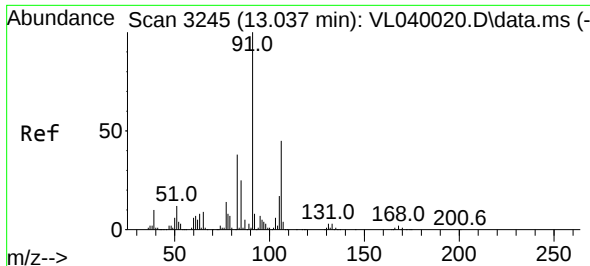
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#62
Isopropylbenzene
Concen: 2.268 ppbv
RT: 14.018 min Scan# 3550
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

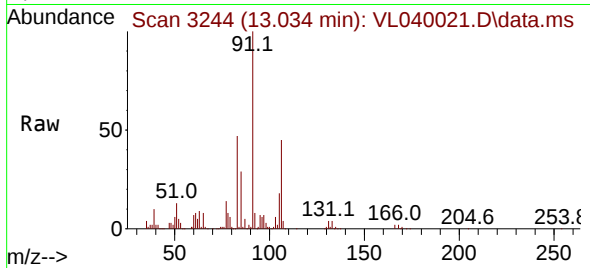
Tgt Ion:105 Resp: 1093310
Ion Ratio Lower Upper
105 100
120 25.0 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 2.393 ppbv
RT: 13.034 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

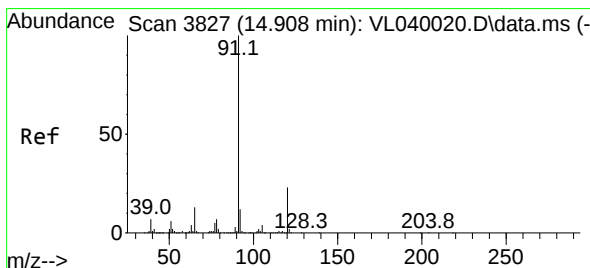
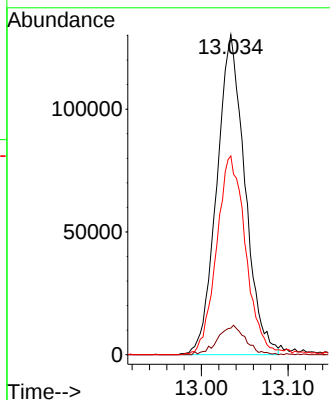
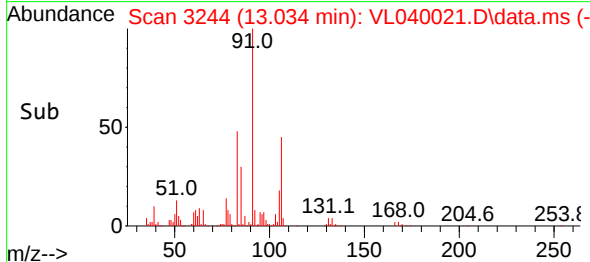
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



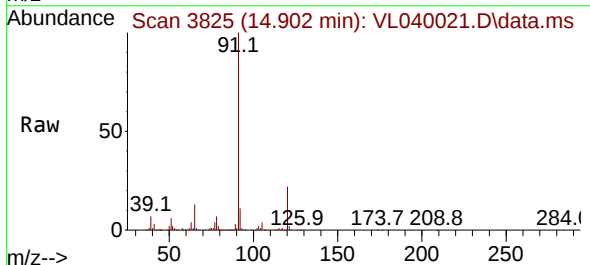
Tgt Ion: 83 Resp: 294274
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 65.3 33.3 99.9

Manual Integrations
APPROVED

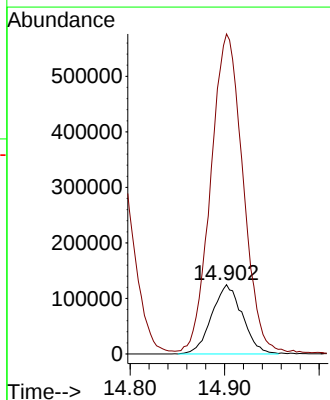
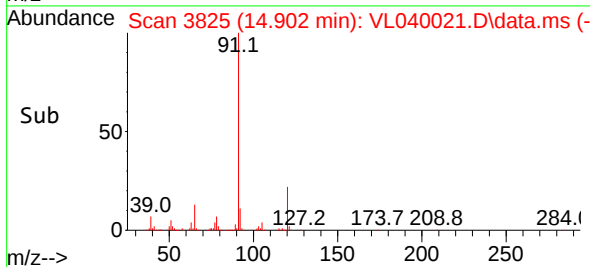
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

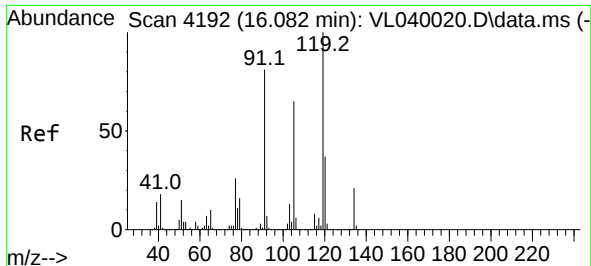


#64
n-propylbenzene
Concen: 2.308 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



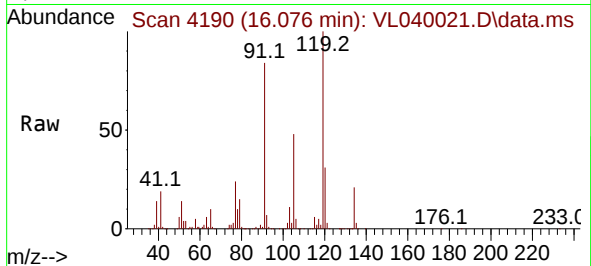
Tgt Ion:120 Resp: 280044
Ion Ratio Lower Upper
120 100
91 490.7 384.3 576.5





#65
tert-Butylbenzene
Concen: 2.313 ppbv
RT: 16.076 min Scan# 4192
Delta R.T. -0.006 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

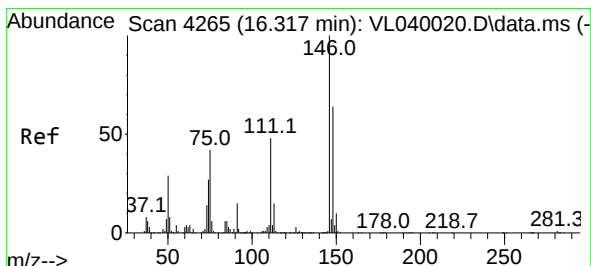
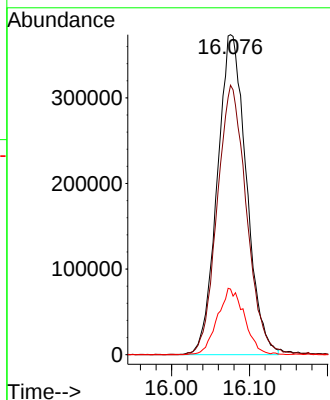
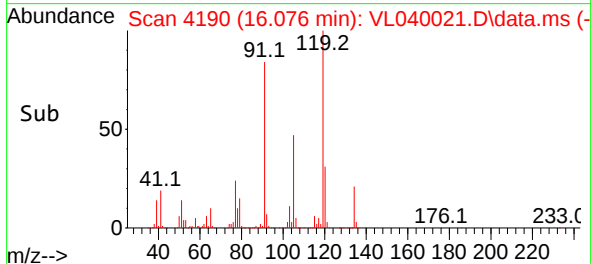
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



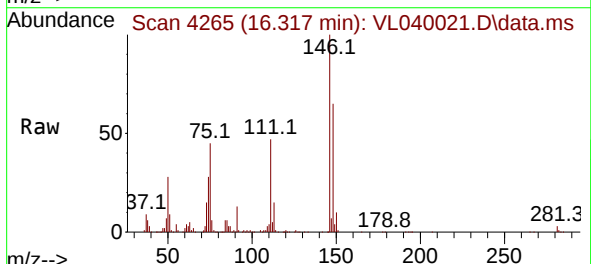
Tgt Ion: 119 Resp: 96814
Ion Ratio Lower Upper
119 100
91 85.3 66.9 100.3
134 19.4 15.8 23.6

Manual Integrations
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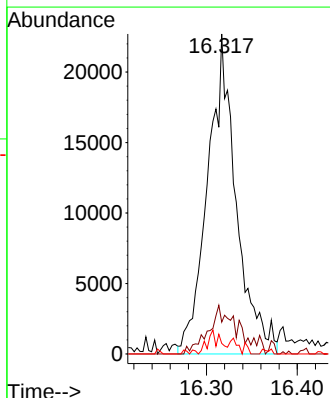
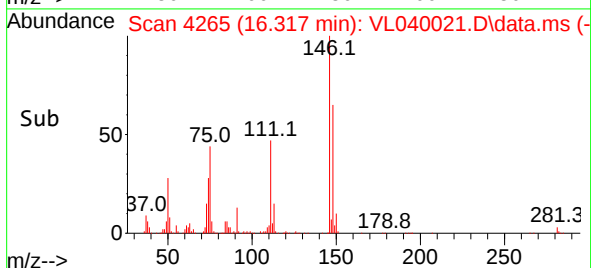
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

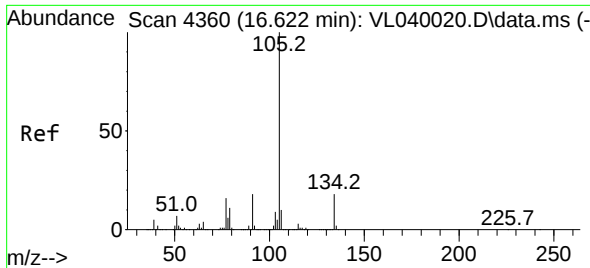


#66
Benzyl Chloride
Concen: 2.289 ppbv m
RT: 16.317 min Scan# 4265
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion: 91 Resp: 49775
Ion Ratio Lower Upper
91 100
126 13.7 12.2 18.2
128 5.8 4.2 6.2





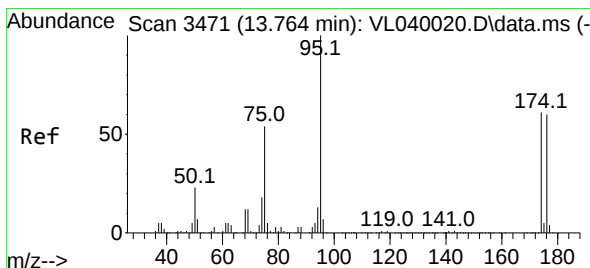
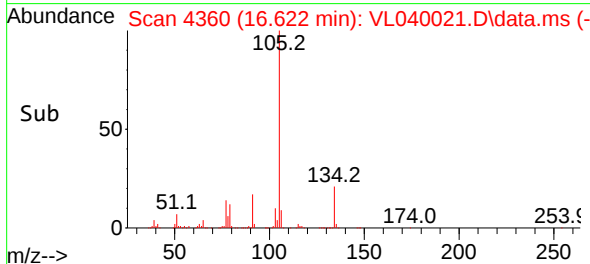
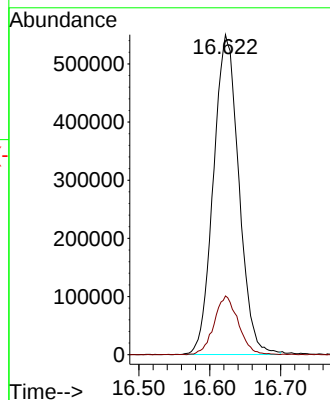
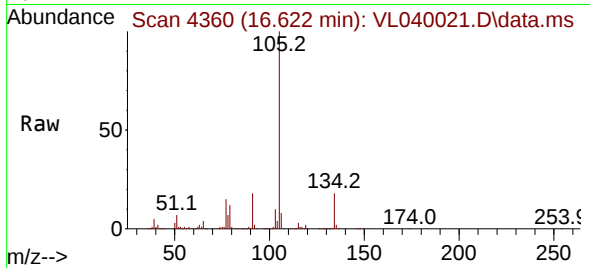
#67
 sec-Butylbenzene
 Concen: 2.330 ppbv
 RT: 16.622 min Scan# 4360
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:105 Resp: 136814
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4

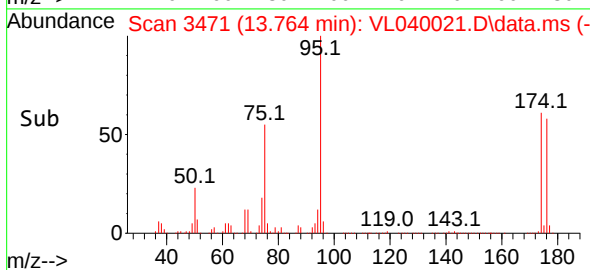
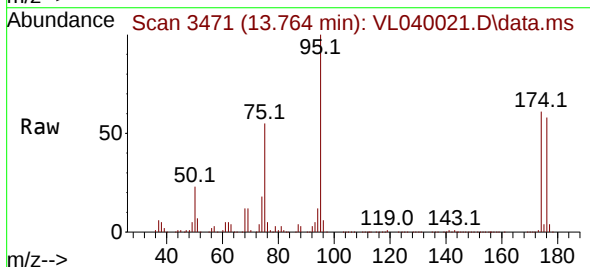
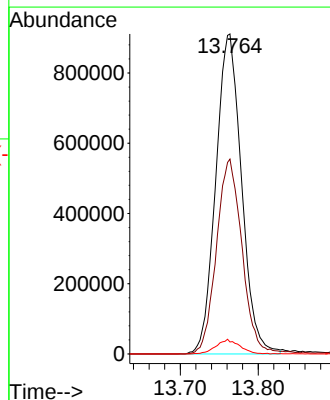
Manual Integrations
 APPROVED

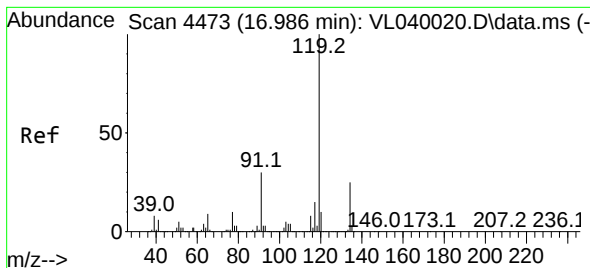
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.719 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

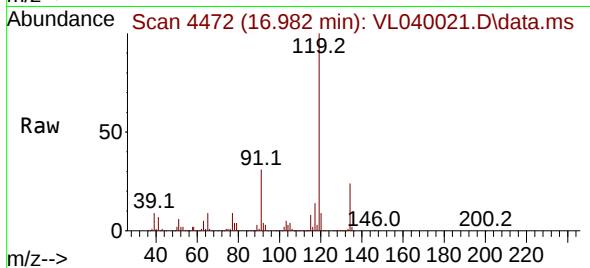
Tgt Ion: 95 Resp: 2093310
 Ion Ratio Lower Upper
 95 100
 174 61.3 48.6 73.0
 175 4.3 3.4 5.2





#69
p-Isopropyltoluene
Concen: 2.374 ppbv
RT: 16.982 min Scan# 4473
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

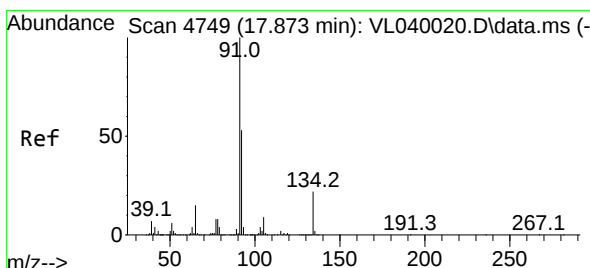
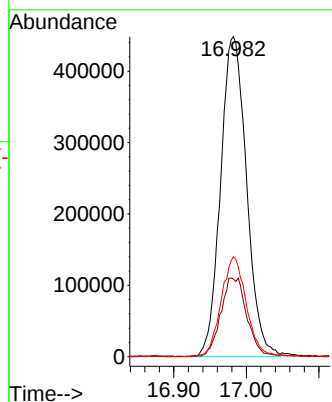
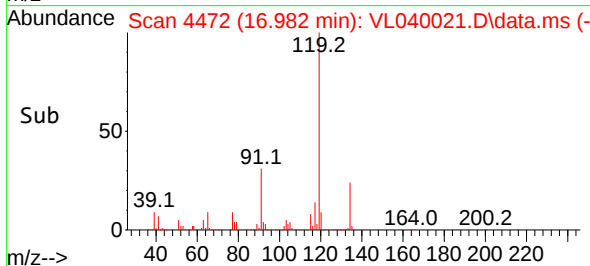
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



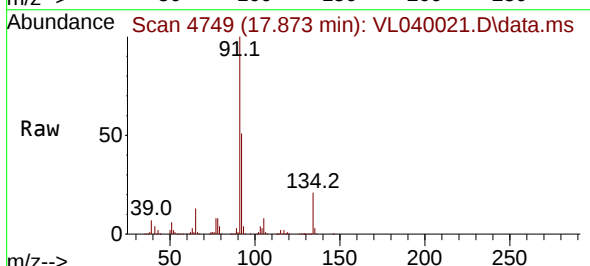
Tgt Ion: 119 Resp: 1113169
Ion Ratio Lower Upper
119 100
134 25.0 20.2 30.4
91 30.7 24.2 36.4

Manual Integrations
APPROVED

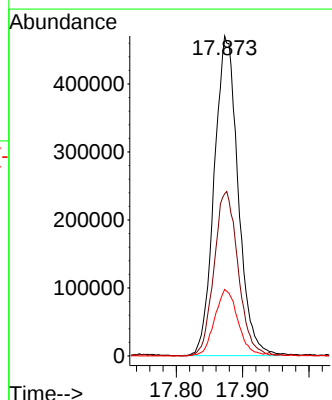
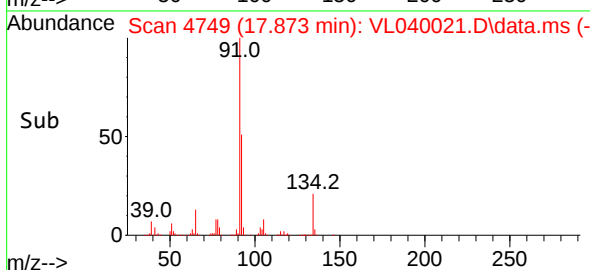
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

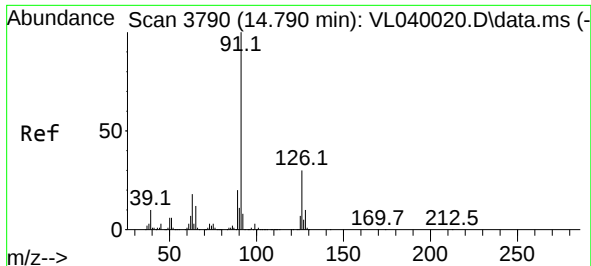


#70
n-Butylbenzene
Concen: 2.396 ppbv
RT: 17.873 min Scan# 4749
Delta R.T. -0.000 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion: 91 Resp: 1174066
Ion Ratio Lower Upper
91 100
92 52.0 43.2 64.8
134 20.8 17.4 26.2





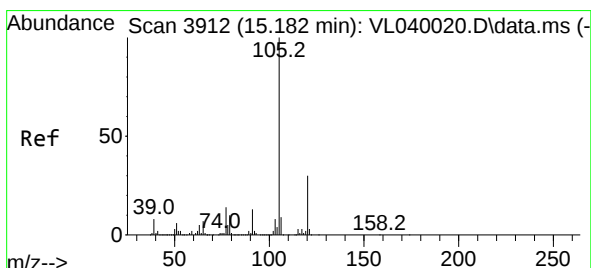
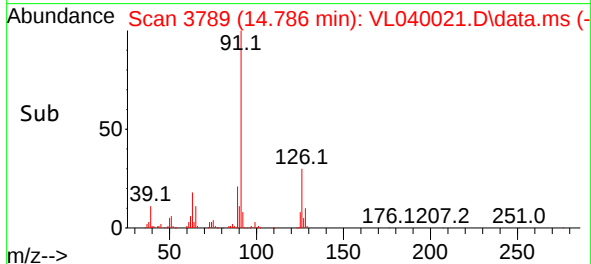
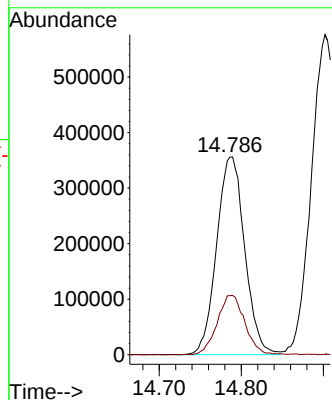
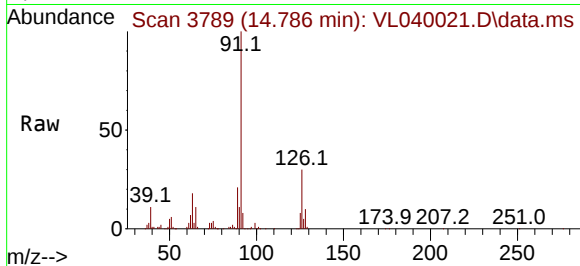
#71
2-Chlorotoluene
Concen: 2.306 ppbv
RT: 14.786 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 848098
Ion Ratio Lower Upper
91 100
126 29.7 12.1 48.5

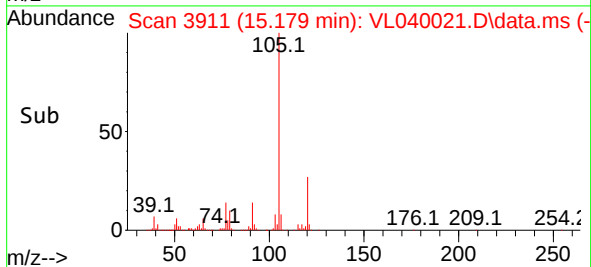
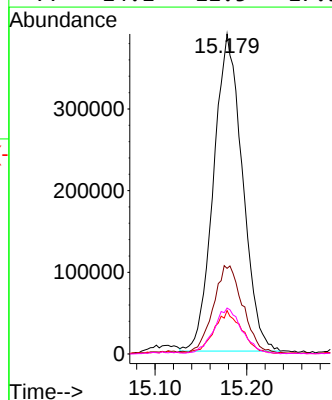
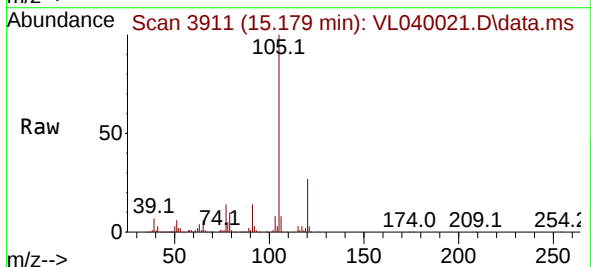
Manual Integrations
APPROVED

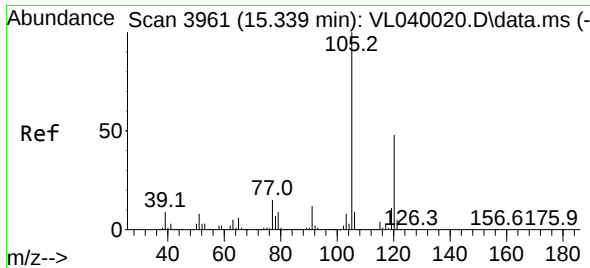
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#72
4-Ethyltoluene
Concen: 2.286 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

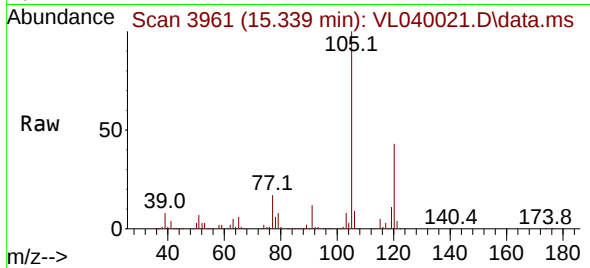
Tgt Ion:105 Resp: 848637
Ion Ratio Lower Upper
105 100
120 30.1 23.5 35.3
91 13.6 10.5 15.7
77 14.1 11.5 17.3





#73
 1,3,5-Trimethylbenzene
 Concen: 2.284 ppbv
 RT: 15.339 min Scan# 3961
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16

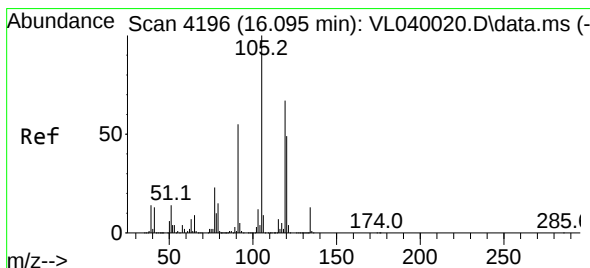
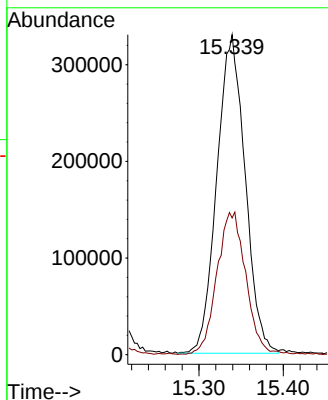
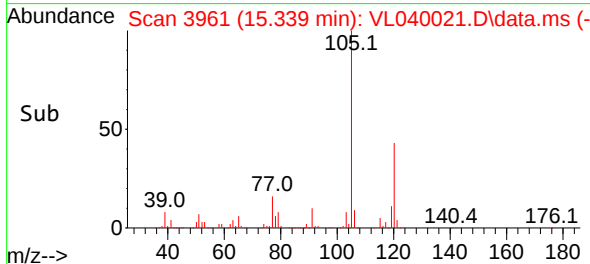
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



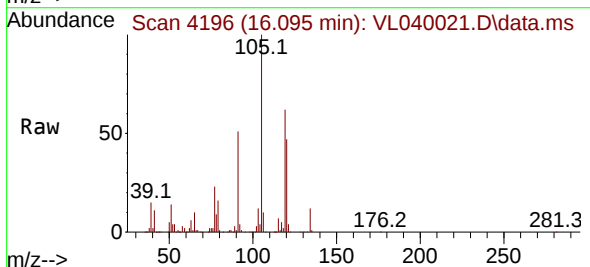
Tgt Ion:105 Resp: 767082
 Ion Ratio Lower Upper
 105 100
 120 42.8 38.4 57.6

Manual Integrations
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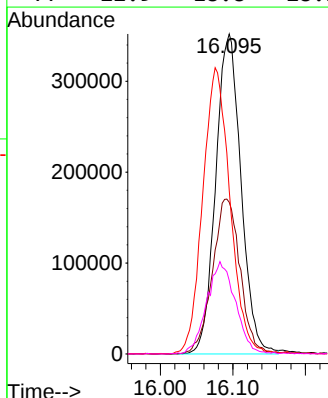
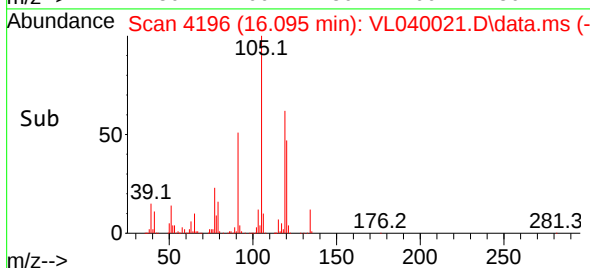
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

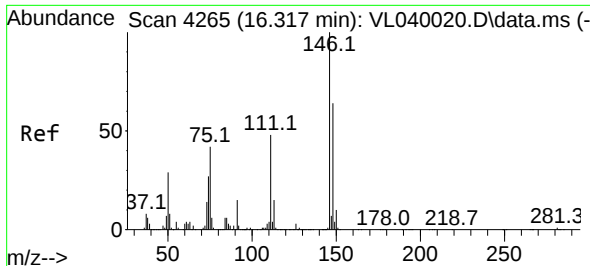


#74
 1,2,4-Trimethylbenzene
 Concen: 2.314 ppbv
 RT: 16.095 min Scan# 4196
 Delta R.T. -0.000 min
 Lab File: VL040021.D
 Acq: 19 Dec 2022 10:16



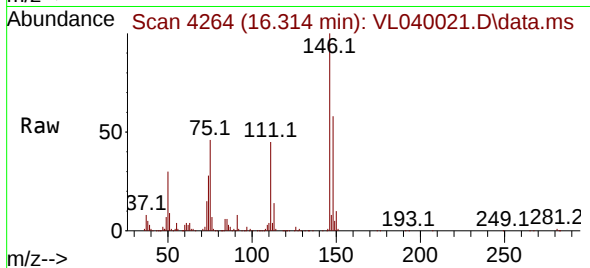
Tgt Ion:105 Resp: 854017
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.3 58.9
 91 50.5 44.2 66.4
 77 22.9 18.8 28.2





#75
1,3-Dichlorobenzene
Concen: 2.328 ppbv m
RT: 16.314 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

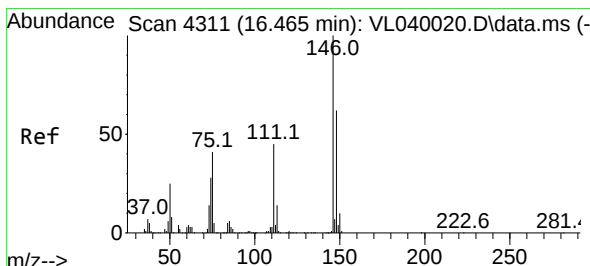
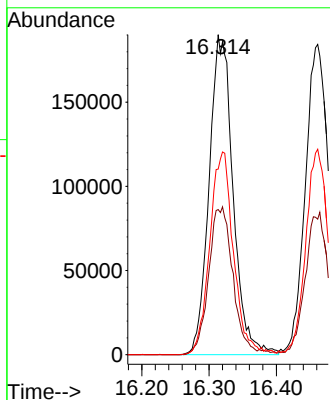
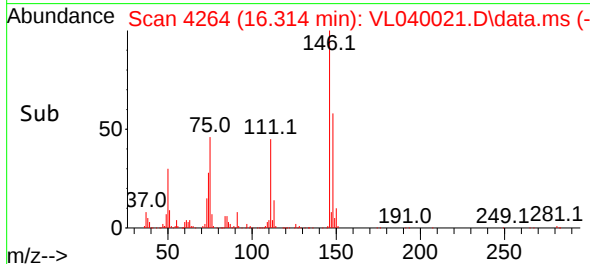
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



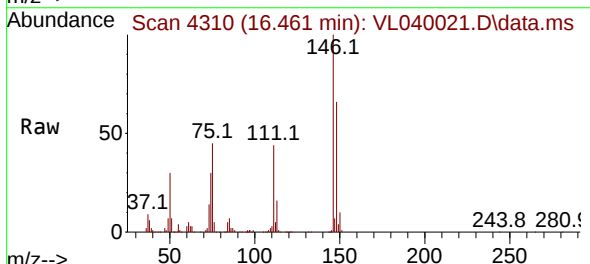
Tgt Ion:146 Resp: 469110
Ion Ratio Lower Upper
146 100
111 47.2 23.9 71.8
148 63.1 32.0 96.2

Manual Integrations
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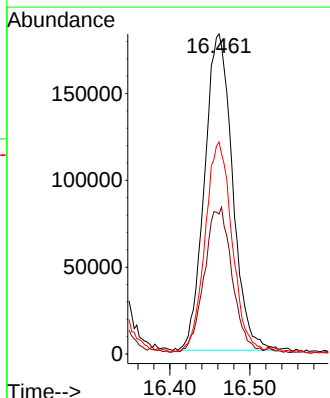
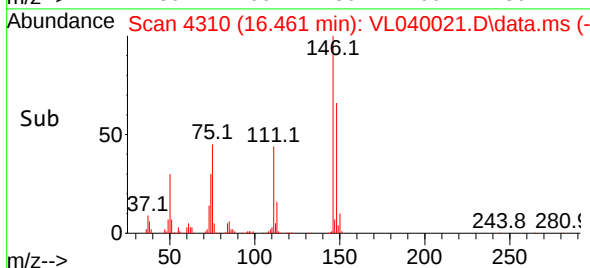
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

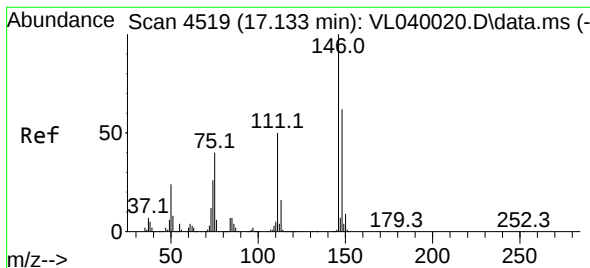


#76
1,4-Dichlorobenzene
Concen: 2.228 ppbv
RT: 16.461 min Scan# 4310
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion:146 Resp: 443213
Ion Ratio Lower Upper
146 100
111 46.9 23.4 70.2
148 66.6 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 2.275 ppbv

RT: 17.127 min Scan# 4519

Delta R.T. -0.006 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:146 Resp: 44106

Ion Ratio Lower Upper

146 100

111 51.1 25.3 75.9

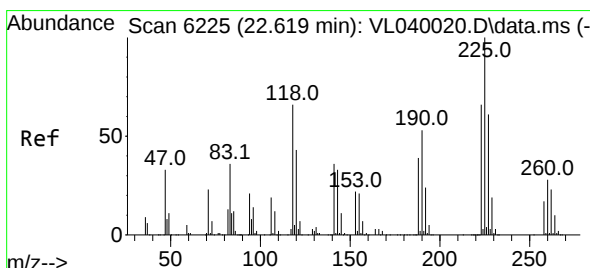
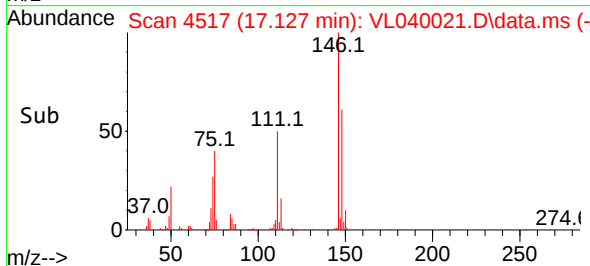
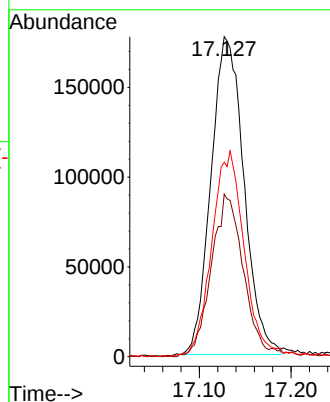
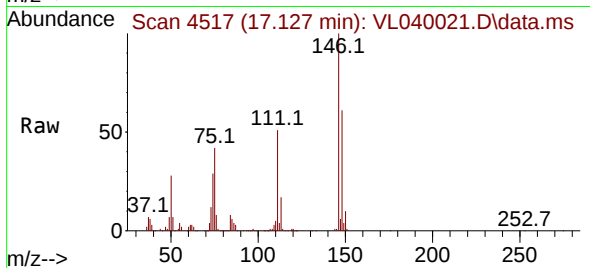
148 64.4 31.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#78

Hexachloro-1,3-Butadiene

Concen: 2.340 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. 0.006 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

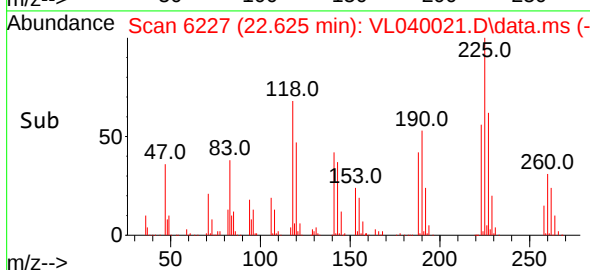
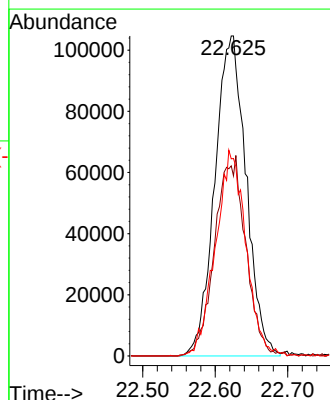
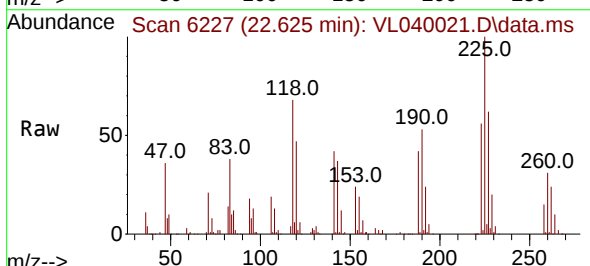
Tgt Ion:225 Resp: 313552

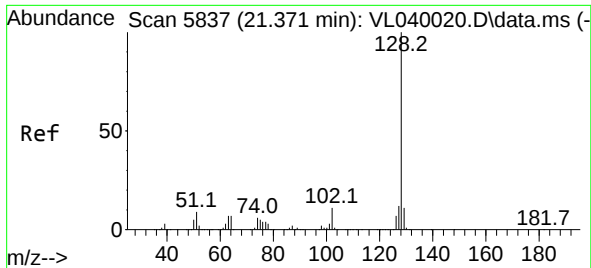
Ion Ratio Lower Upper

225 100

223 62.1 0.0 0.0#

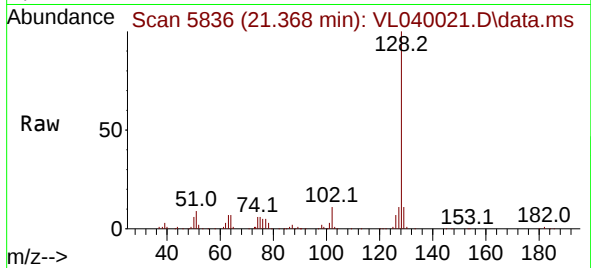
227 62.6 0.0 0.0#





#79
Naphthalene
Concen: 2.747 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. -0.003 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16

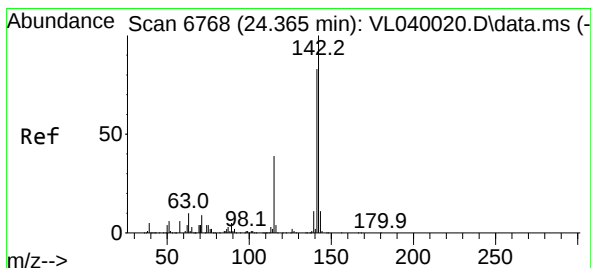
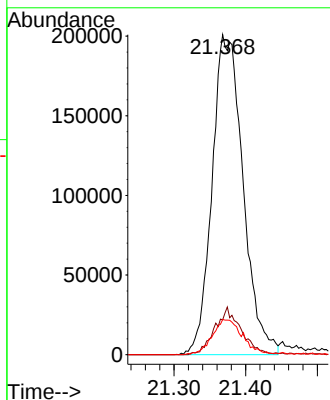
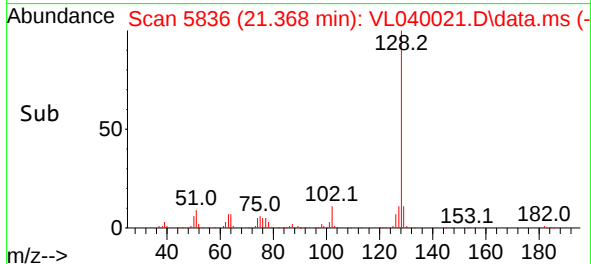
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



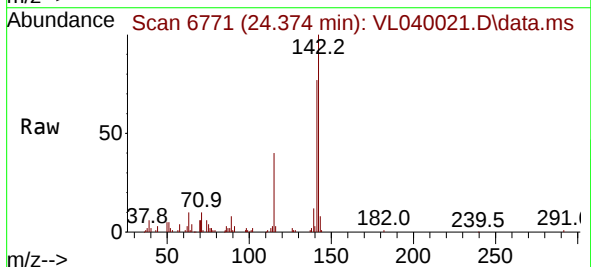
Tgt Ion:128 Resp: 602308
Ion Ratio Lower Upper
128 100
127 10.9 10.0 15.0
129 11.0 8.8 13.2

Manual Integrations
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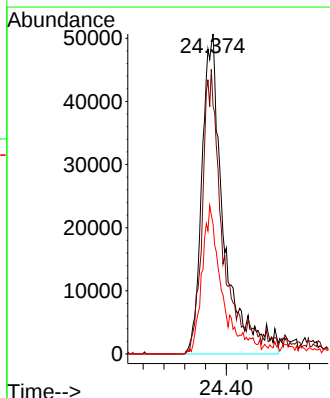
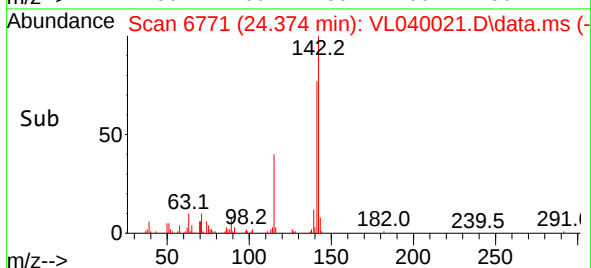
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

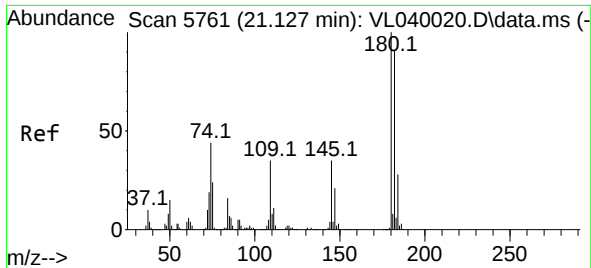


#80
Naphthalene,2-methyl-
Concen: 2.350 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.010 min
Lab File: VL040021.D
Acq: 19 Dec 2022 10:16



Tgt Ion:142 Resp: 147853
Ion Ratio Lower Upper
142 100
141 86.5 65.3 97.9
115 43.7 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 2.412 ppbv m

RT: 21.124 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL040021.D

Acq: 19 Dec 2022 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:180 Resp: 313179

Ion Ratio Lower Upper

180 100

182 97.0 76.6 115.0

184 31.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022

