

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040170.D
 Acq On : 15 Feb 2023 11:09
 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 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 11:50:32 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 15 11:34:13 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1005442	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2617022	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2485017	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1965948 9.519 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	408410	2.317	ppbv	97
3) Chlorodifluoromethane	2.658	51	254574	2.111	ppbv	99
4) Chloromethane	2.796	50	157182	2.109	ppbv	92
5) Vinyl Chloride	2.906	62	138685	2.195	ppbv	96
6) Bromomethane	3.105	94	46559	2.019	ppbv	96
7) Chloroethane	3.182	64	50554	2.093	ppbv	100
8) Dichlorotetrafluoroethane	2.841	85	338130	2.055	ppbv	98
9) Propene	2.677	41	104843	2.092	ppbv	99
10) Heptane	7.571	43	255450	2.212	ppbv	100
11) Trichlorofluoromethane	3.549	101	346264	1.968	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	264677	2.001	ppbv	99
13) Ethanol	3.234	45	10192m	2.210	ppbv	
14) Bromoethene	3.353	108	96720	1.970	ppbv	92
15) Acetone	3.459	43	276683	2.295	ppbv	100
16) 1,3-Butadiene	2.970	39	116850	2.078	ppbv	94
17) tert-Butyl alcohol	3.867	59	222959	1.986	ppbv	100
18) 1,1-Dichloroethene	3.867	96	111921	1.948	ppbv	99
19) Isopropyl Alcohol	3.568	45	123204	2.088	ppbv	100
20) Methylene Chloride	3.919	84	154094	2.897	ppbv	92
21) Allyl Chloride	3.986	41	156741	2.024	ppbv	96
22) trans-1,2-Dichloroethene	4.433	96	118519	2.018	ppbv	98
23) Vinyl Acetate	4.620	43	77535m	1.984	ppbv	
24) 1,1-Dichloroethane	4.552	63	244606	2.067	ppbv	99
25) Ethyl Acetate	5.195	43	506236	2.383	ppbv	99
26) Hexane	5.201	57	213161	2.293	ppbv	98
27) Carbon Disulfide	4.112	76	256630	2.131	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	218632	2.090	ppbv	99
29) Chloroform	5.266	83	357014	2.402	ppbv	96
30) Cyclohexane	6.597	84	166671	2.255	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	198770	2.209	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	338093	2.238	ppbv	99
34) 2-Butanone	4.777	43	275854	2.228	ppbv	99
35) Carbon Tetrachloride	6.484	117	340086	2.298	ppbv	98
36) Benzene	6.362	78	436316	2.253	ppbv	97
37) 1,2-Dichloroethane	5.796	62	263775	2.119	ppbv	100
38) Trichloroethene	7.285	130	246762	2.245	ppbv	96
39) 1,2-Dichloropropane	7.060	63	169166	2.233	ppbv	95
40) 1,4-Dioxane	7.288	88	67436m	2.243	ppbv	
41) Tetrahydrofuran	5.558	42	161949	2.267	ppbv	99
42) Bromodichloromethane	7.243	83	370069	2.202	ppbv	96
43) Methyl Methacrylate	7.471	69	162843	2.291	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	736677	2.287	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	135997	2.146	ppbv	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

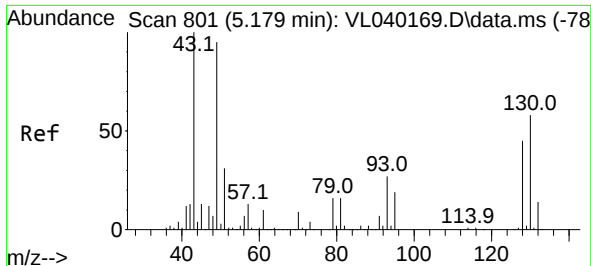
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 15 11:34:13 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	199328	2.302	ppbv #	90
47) 1,1,2-Trichloroethane	8.896	97	181618	2.277	ppbv	94
48) Dibromochloromethane	9.703	129	289662	2.260	ppbv	100
49) Bromoform	12.401	173	224155	2.270	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	443891	2.280	ppbv	99
51) 2-Hexanone	9.555	43	337491	2.288	ppbv #	99
52) Tetrachloroethene	10.610	164	141382m	2.232	ppbv	
53) Toluene	9.214	91	481154	2.329	ppbv	99
54) 1,2-Dibromoethane	10.005	107	197777	2.369	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	224738	2.324	ppbv #	1
57) Chlorobenzene	11.526	112	382122	2.256	ppbv	97
58) Ethyl Benzene	12.089	91	665284	2.399	ppbv	94
59) m/p-Xylene	12.368	91	1158588m	4.647	ppbv	
60) o-Xylene	13.056	91	561470	2.372	ppbv	99
61) Styrene	12.899	104	297497	2.412	ppbv	99
62) Isopropylbenzene	14.024	105	814700	2.393	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	199936	2.327	ppbv	100
64) n-propylbenzene	14.918	120	199464m	2.357	ppbv	
65) tert-Butylbenzene	16.092	119	717273	2.461	ppbv	97
66) Benzyl Chloride	16.333	91	40836m	2.050	ppbv	
67) sec-Butylbenzene	16.635	105	1035822	2.507	ppbv	99
69) p-Isopropyltoluene	16.995	119	835870	2.574	ppbv	100
70) n-Butylbenzene	17.886	91	911996	2.605	ppbv	98
71) 2-Chlorotoluene	14.802	91	624009	2.383	ppbv	99
72) 4-Ethyltoluene	15.191	105	633992	2.414	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	581390	2.459	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	638263	2.437	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	351245	2.414	ppbv	98
76) 1,4-Dichlorobenzene	16.478	146	349614m	2.444	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	351474m	2.526	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	239653m	2.352	ppbv	
79) Naphthalene	21.387	128	424929	2.832	ppbv	95
80) Naphthalene,2-methyl-	24.387	142	84994	1.681	ppbv	92
81) 1,2,4-Trichlorobenzene	21.146	180	226663	2.451	ppbv	98

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



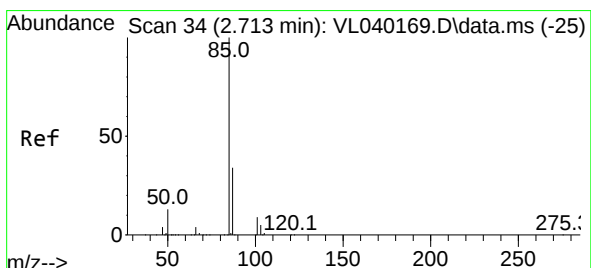
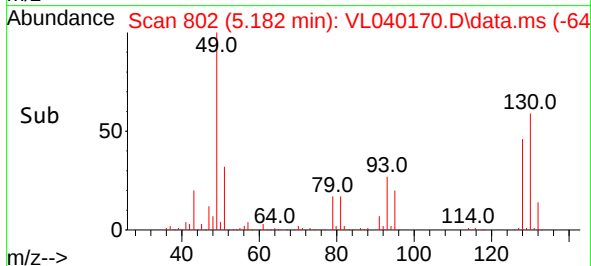
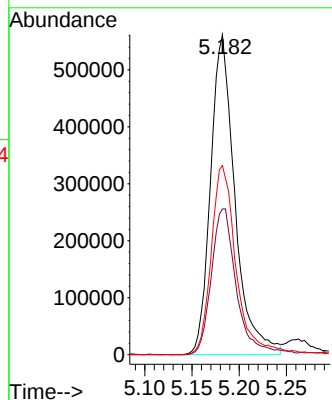
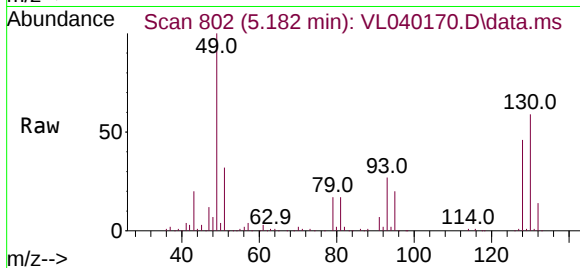
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 801
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 49 Resp: 100544
Ion Ratio Lower Upper
49 100
128 48.4 24.1 72.3
130 62.0 30.9 92.8

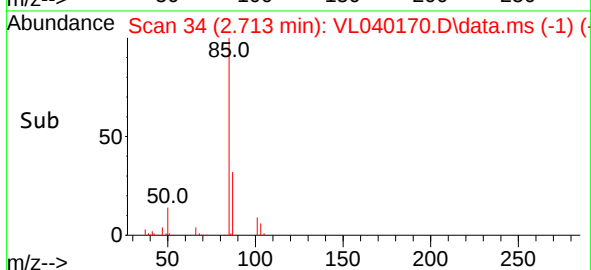
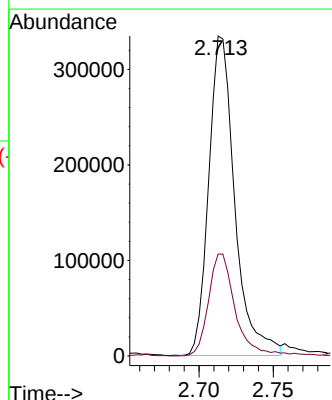
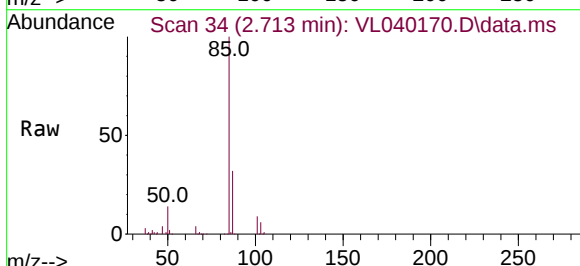
Manual Integrations
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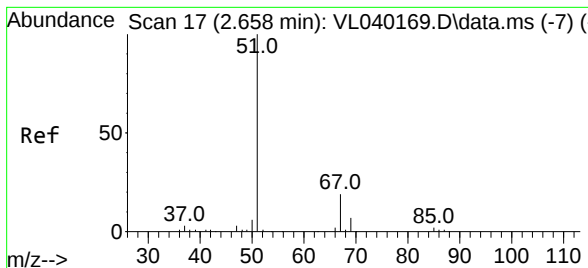
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#2
Dichlorodifluoromethane
Concen: 2.317 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 85 Resp: 408410
Ion Ratio Lower Upper
85 100
87 31.8 27.0 40.6





#3

Chlorodifluoromethane

Concen: 2.111 ppbv

RT: 2.658 min Scan# 17

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 51 Resp: 254574

Ion Ratio Lower Upper

51 100

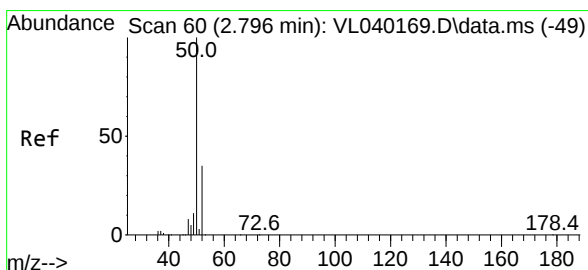
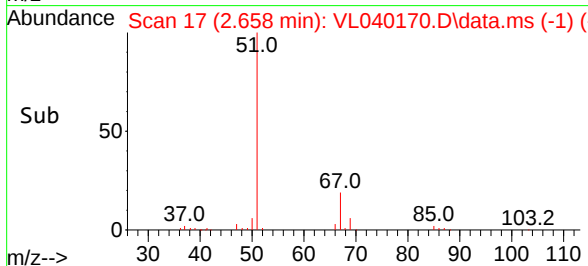
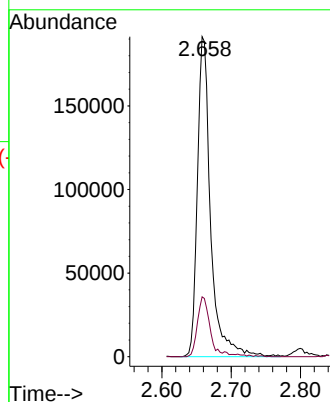
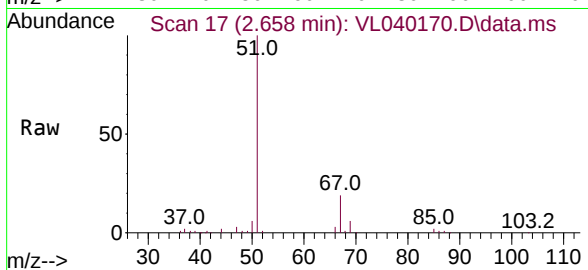
67 18.7 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#4

Chloromethane

Concen: 2.109 ppbv

RT: 2.796 min Scan# 60

Delta R.T. 0.000 min

Lab File: VL040170.D

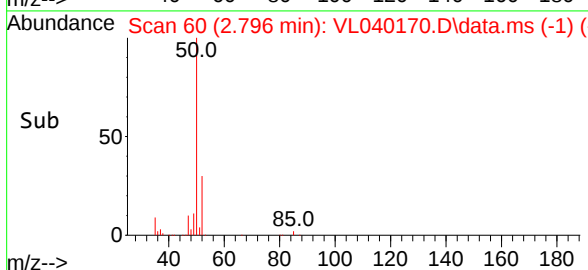
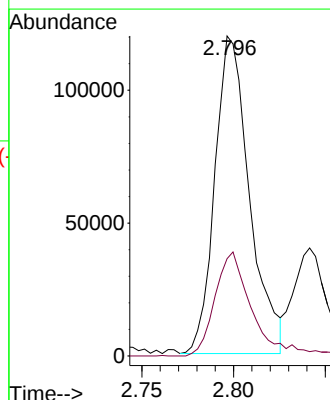
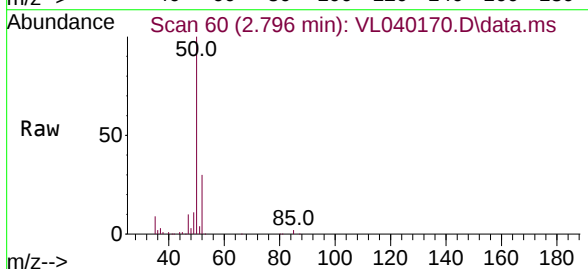
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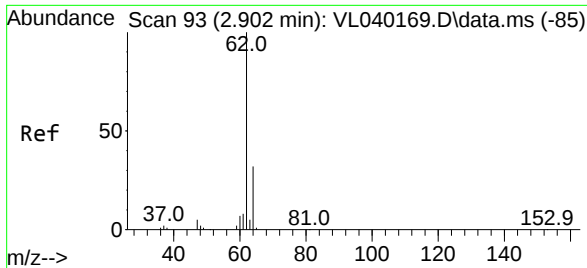
Tgt Ion: 50 Resp: 157182

Ion Ratio Lower Upper

50 100

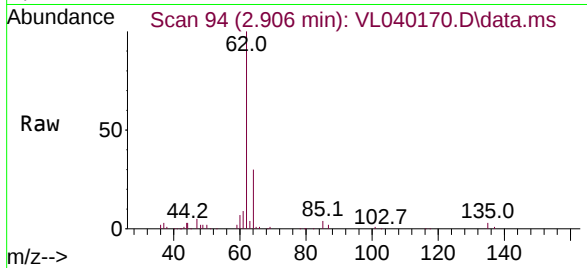
52 30.6 28.3 42.5





#5
 Vinyl Chloride
 Concen: 2.195 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

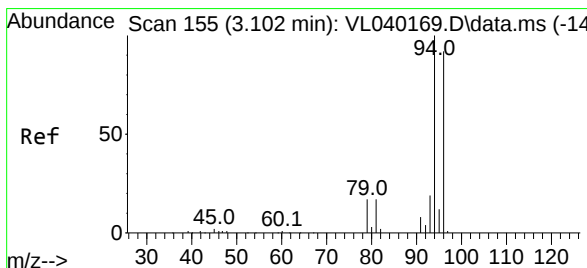
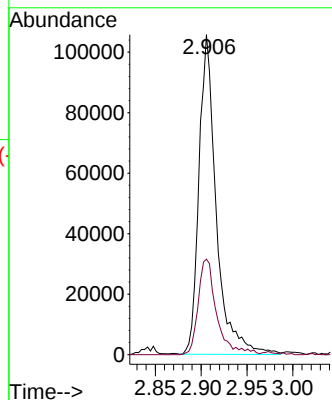
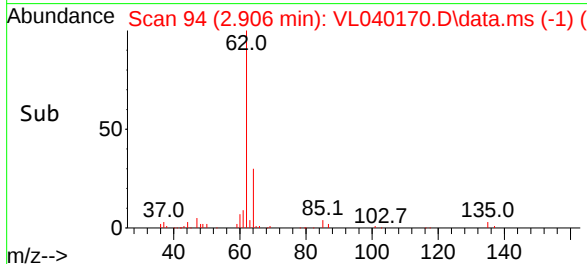
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 13868
 Ion Ratio Lower Upper
 62 100
 64 29.9 25.6 38.4

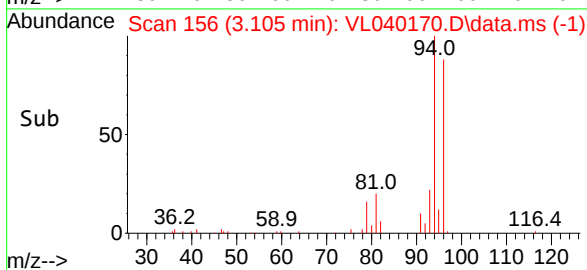
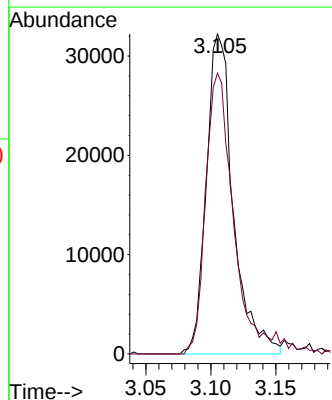
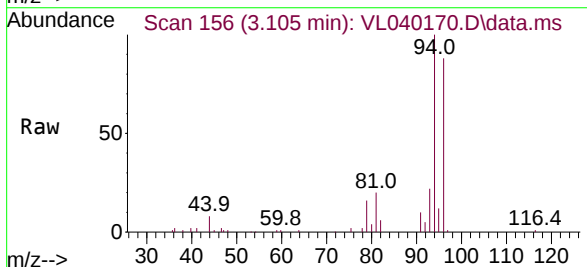
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#6
 Bromomethane
 Concen: 2.019 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

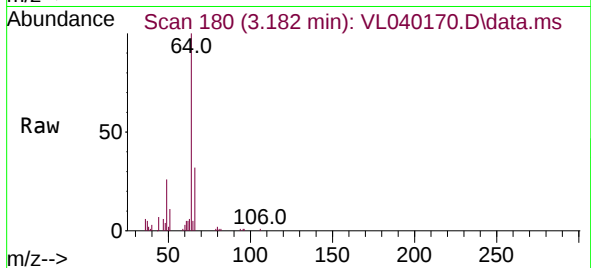
Tgt Ion: 94 Resp: 46559
 Ion Ratio Lower Upper
 94 100
 96 87.8 73.4 110.2





#7
Chloroethane
Concen: 2.093 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

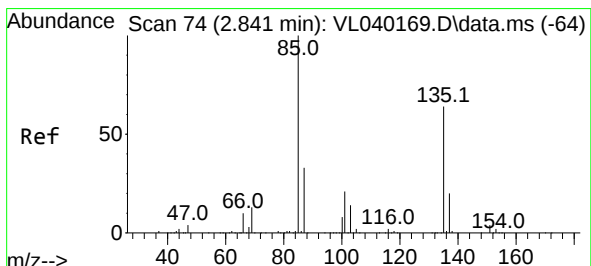
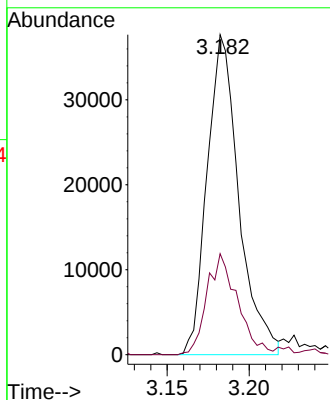
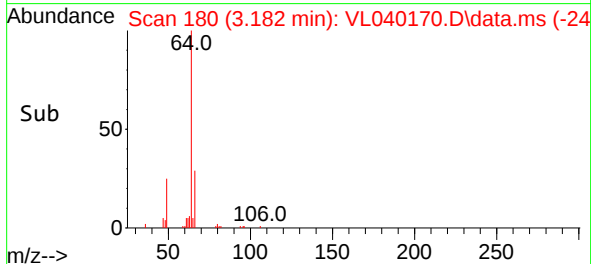
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 50554
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.2

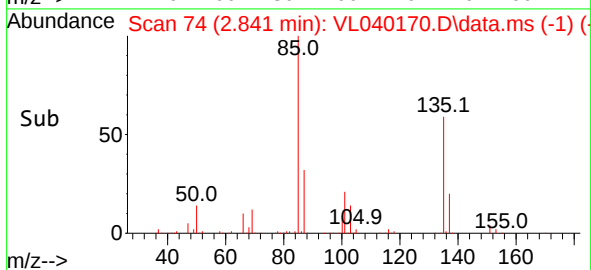
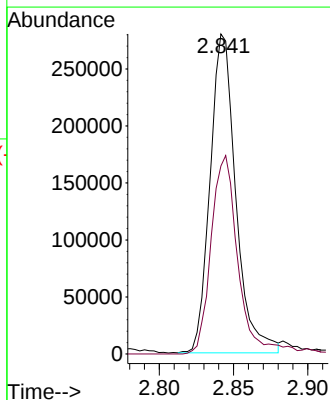
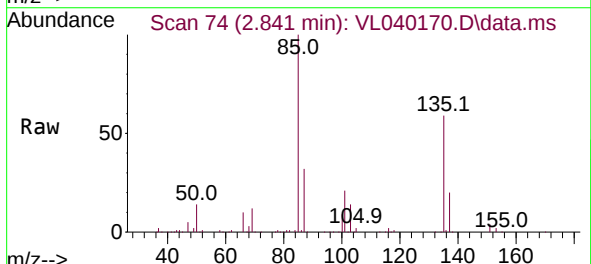
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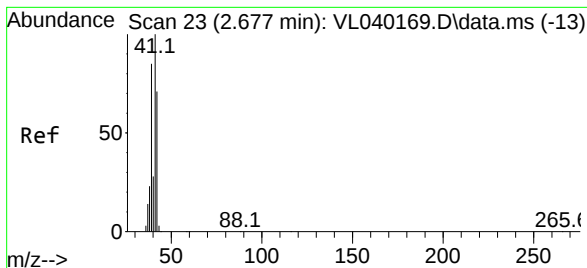
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#8
Dichlorotetrafluoroethane
Concen: 2.055 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 85 Resp: 338130
Ion Ratio Lower Upper
85 100
135 66.3 51.5 77.3





#9

Propene

Concen: 2.092 ppbv

RT: 2.677 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 10484

Ion Ratio Lower Upper

41 100

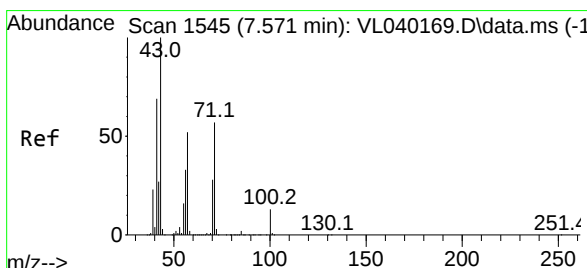
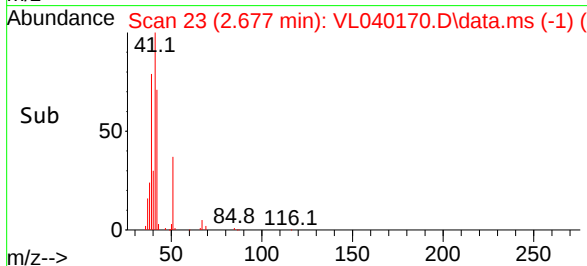
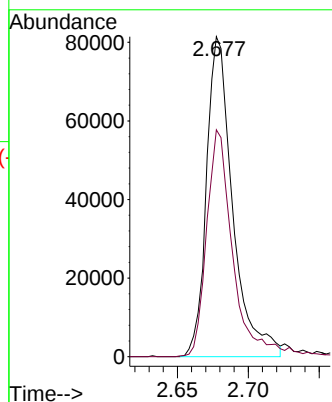
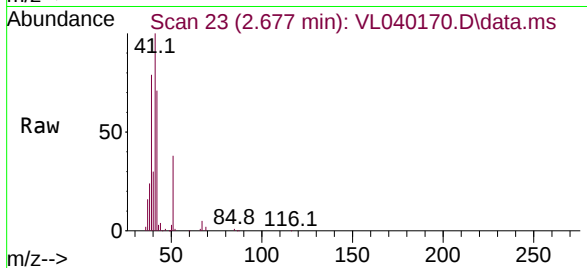
42 72.2 56.9 85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#10

Heptane

Concen: 2.212 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. 0.000 min

Lab File: VL040170.D

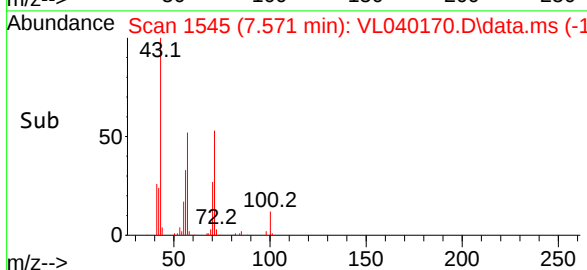
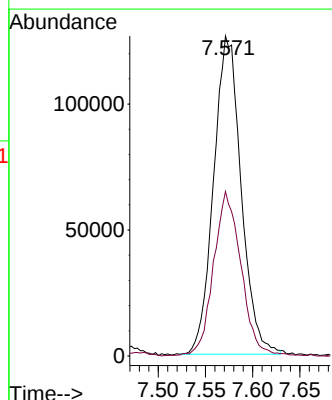
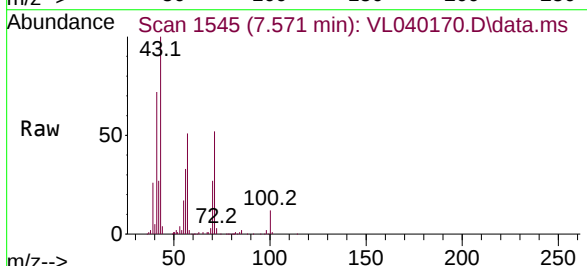
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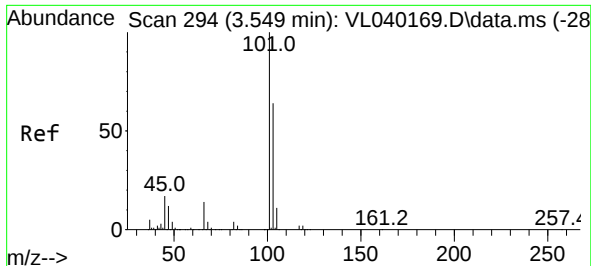
Tgt Ion: 43 Resp: 255450

Ion Ratio Lower Upper

43 100

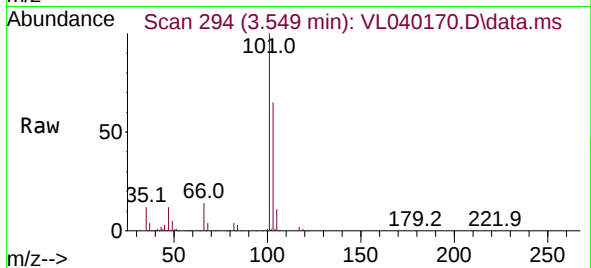
57 51.9 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 1.968 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

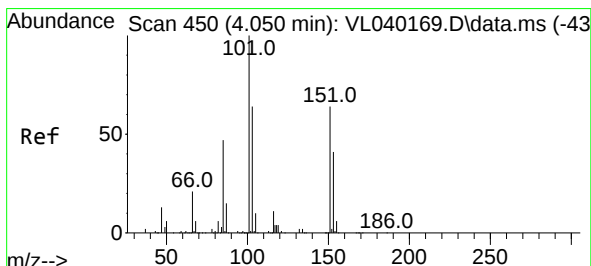
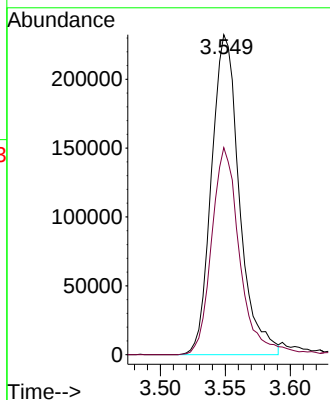
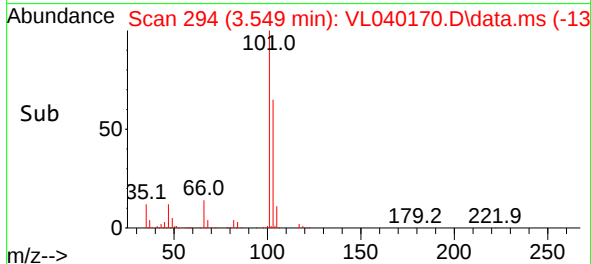
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



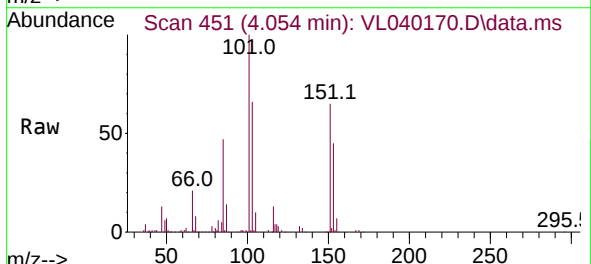
Tgt Ion:101 Resp: 346264
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

Manual Integrations
 APPROVED

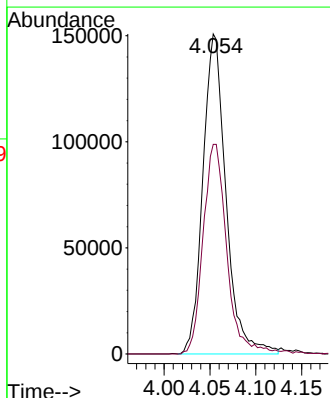
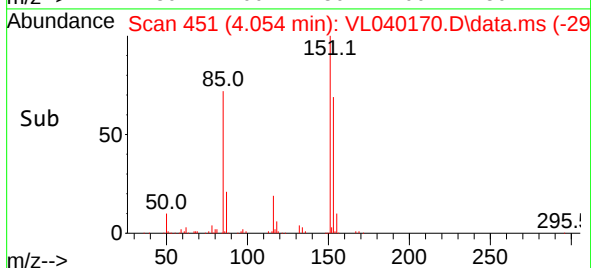
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

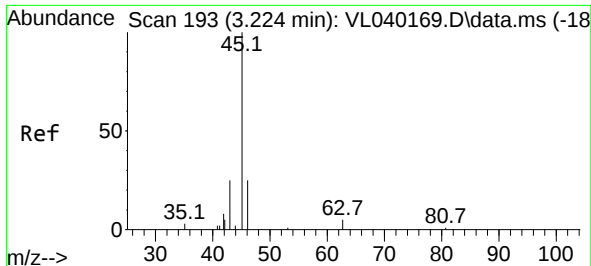


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.001 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09



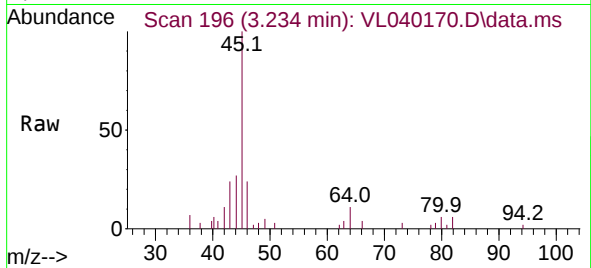
Tgt Ion:101 Resp: 264677
 Ion Ratio Lower Upper
 101 100
 151 67.6 54.7 82.1





#13
Ethanol
Concen: 2.210 ppbv m
RT: 3.234 min Scan# 196
Delta R.T. 0.010 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

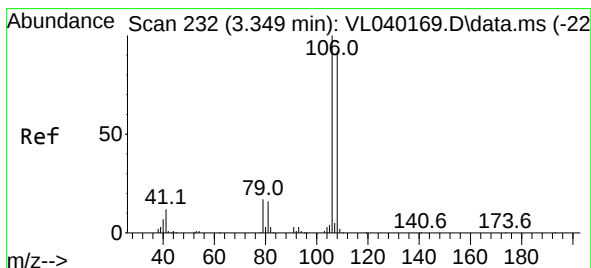
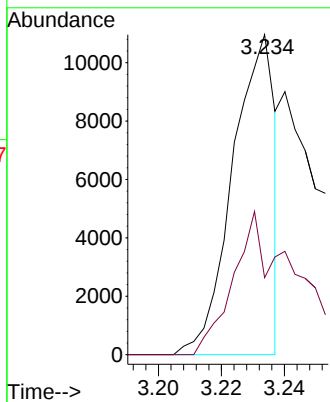
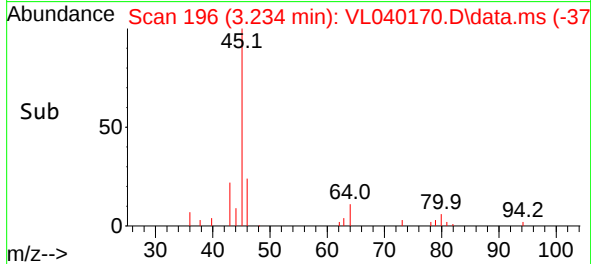
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



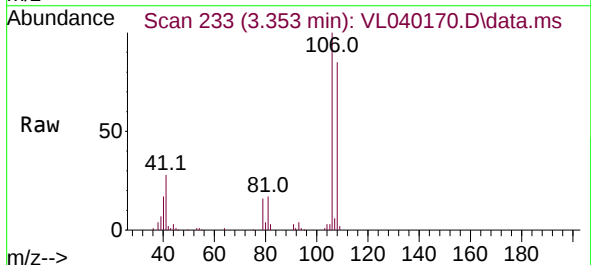
Tgt Ion: 45 Resp: 10192
Ion Ratio Lower Upper
45 100
46 84.3 13.3 53.1

Manual Integrations
APPROVED

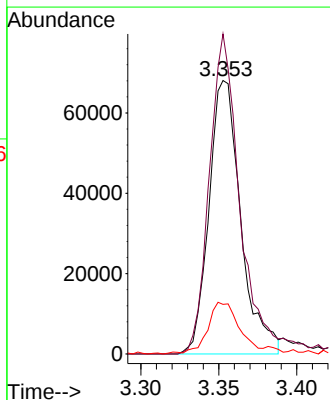
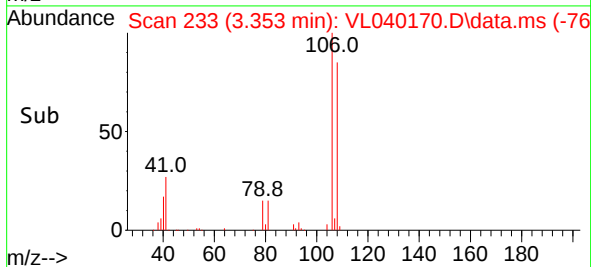
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#14
Bromoethene
Concen: 1.970 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09



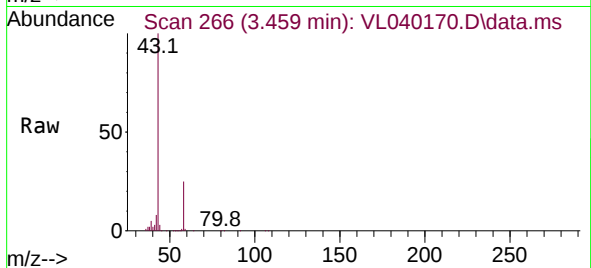
Tgt Ion:108 Resp: 96720
Ion Ratio Lower Upper
108 100
106 117.5 87.1 130.7
79 21.2 15.4 23.2





#15
Acetone
Concen: 2.295 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.007 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

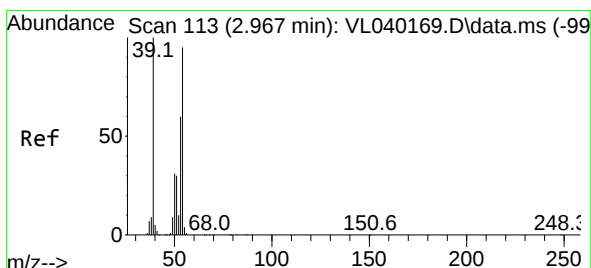
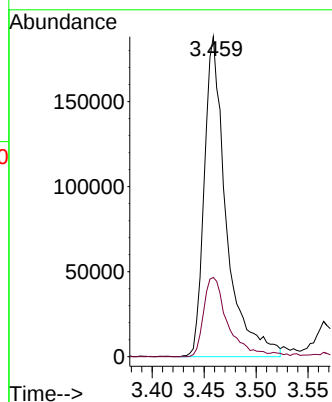
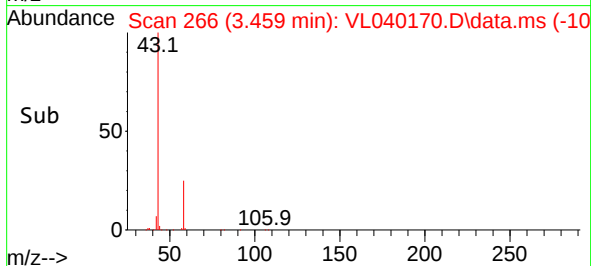
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 27668
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6

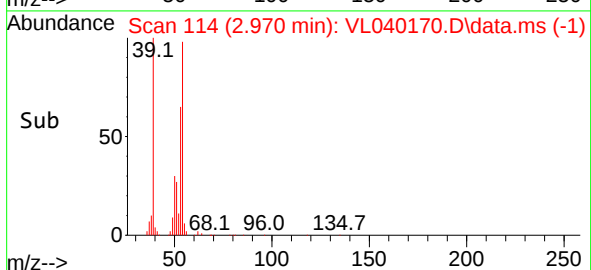
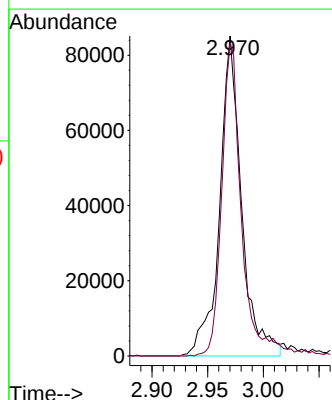
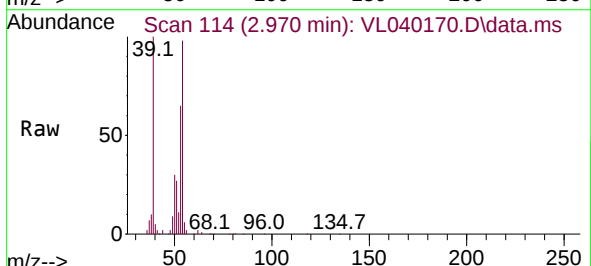
Manual Integrations
APPROVED

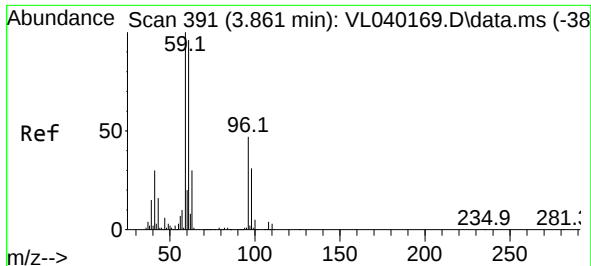
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#16
1,3-Butadiene
Concen: 2.078 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 39 Resp: 116850
Ion Ratio Lower Upper
39 100
54 89.0 66.7 100.1





#17

tert-Butyl alcohol

Concen: 1.986 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.007 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 222959

Ion Ratio Lower Upper

59 100

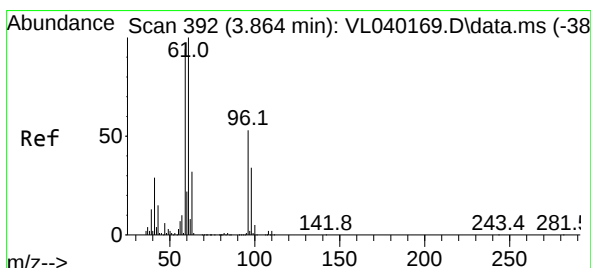
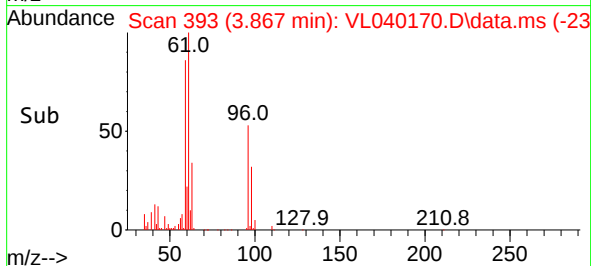
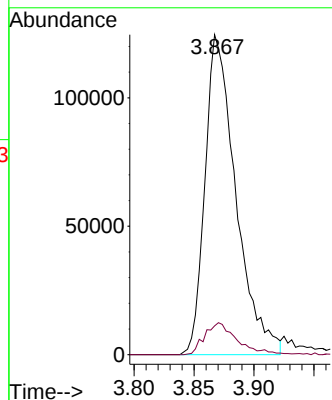
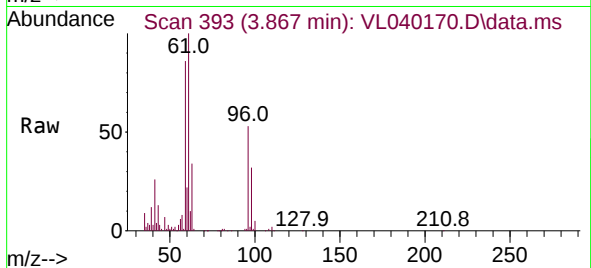
57 10.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#18

1,1-Dichloroethene

Concen: 1.948 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

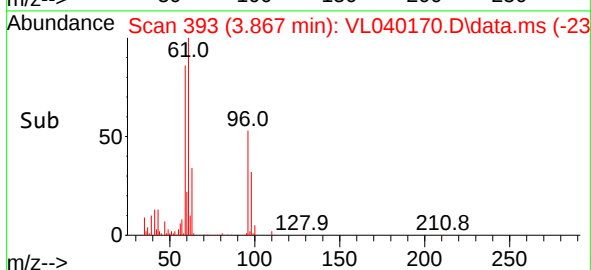
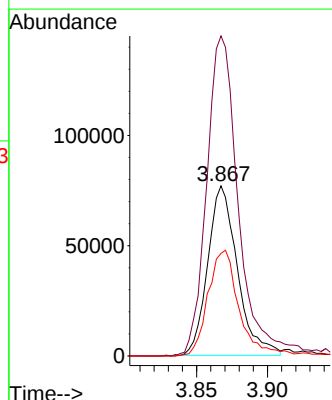
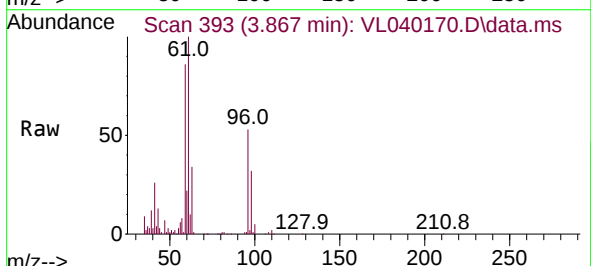
Tgt Ion: 96 Resp: 111921

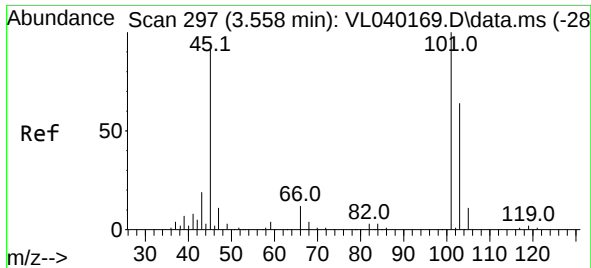
Ion Ratio Lower Upper

96 100

61 187.4 149.6 224.4

98 60.3 51.1 76.7





#19

Isopropyl Alcohol

Concen: 2.088 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.010 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 45 Resp: 123204

Ion Ratio Lower Upper

45 100

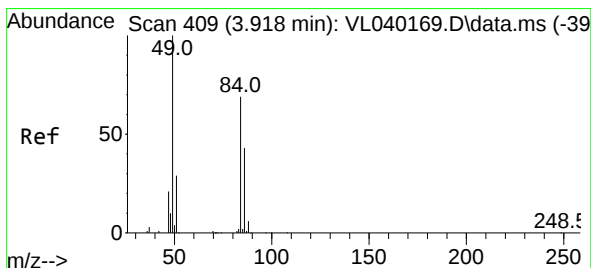
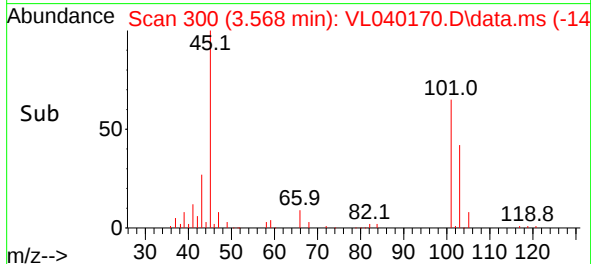
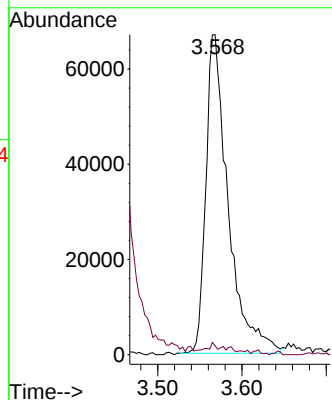
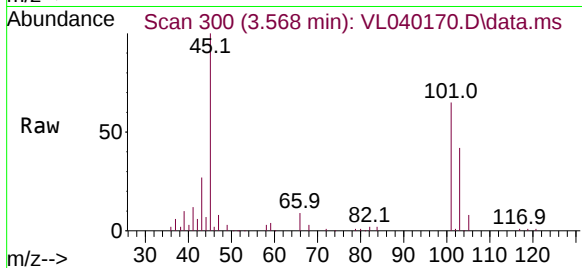
58 3.2 2.6 3.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#20

Methylene Chloride

Concen: 2.897 ppbv

RT: 3.919 min Scan# 409

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion: 84 Resp: 154094

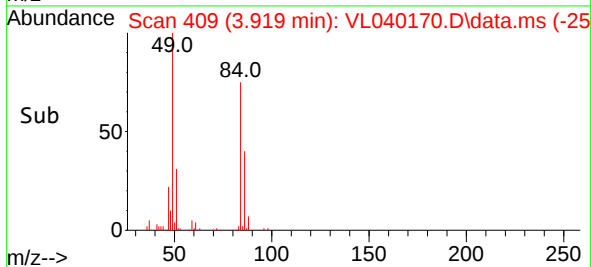
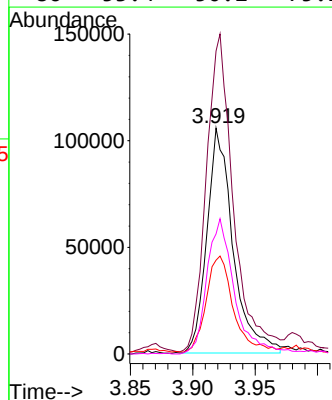
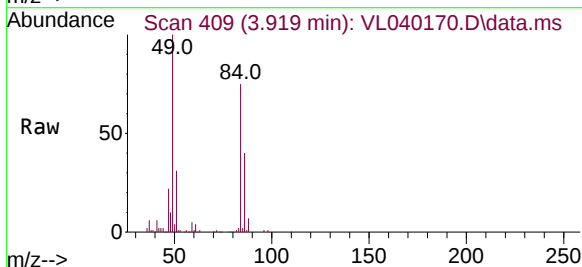
Ion Ratio Lower Upper

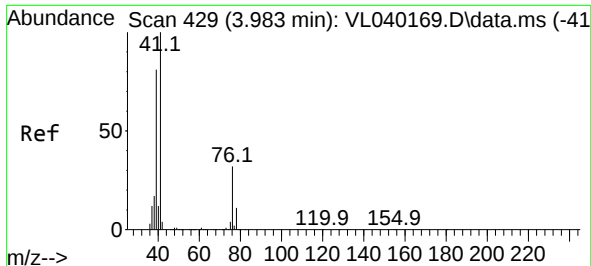
84 100

49 133.8 115.5 173.3

51 40.8 33.1 49.7

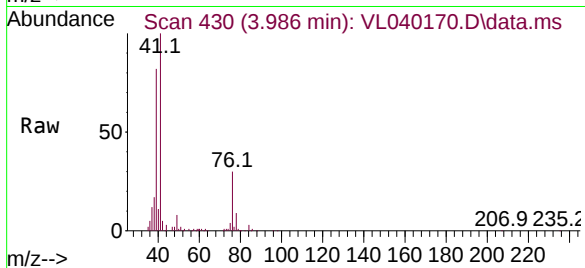
86 53.4 50.2 75.2





#21
 Allyl Chloride
 Concen: 2.024 ppbv
 RT: 3.986 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

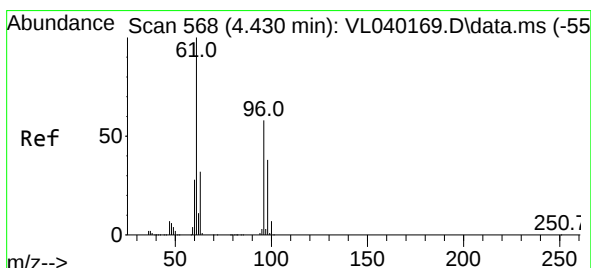
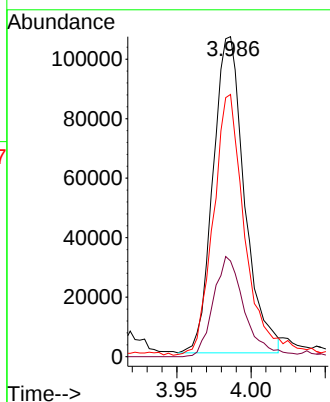
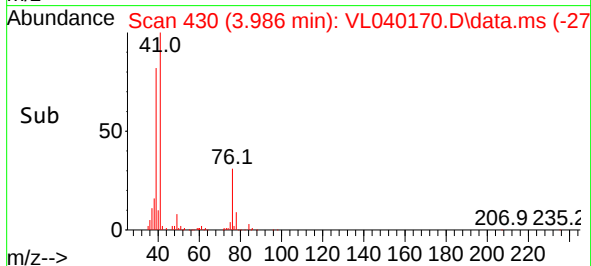
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 41 Resp: 15674
 Ion Ratio Lower Upper
 41 100
 76 32.4 25.5 38.3
 39 84.8 64.5 96.7

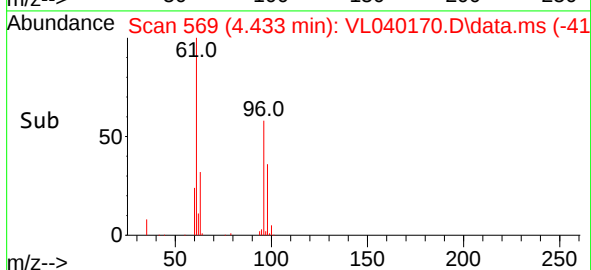
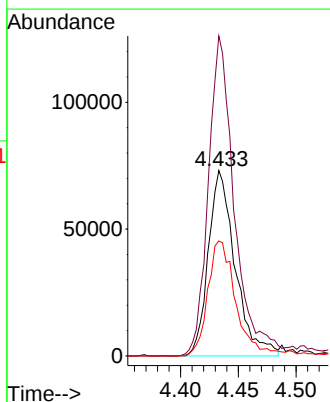
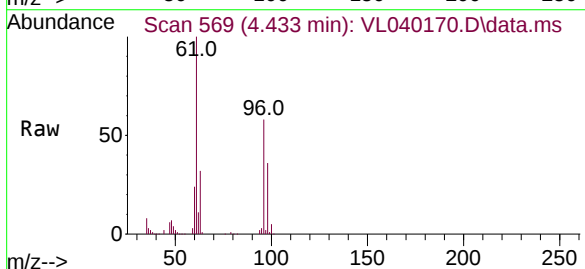
Manual Integrations
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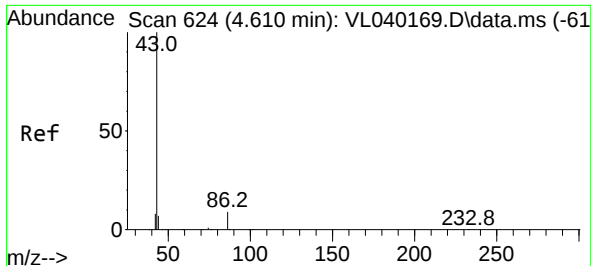
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#22
 trans-1,2-Dichloroethene
 Concen: 2.018 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

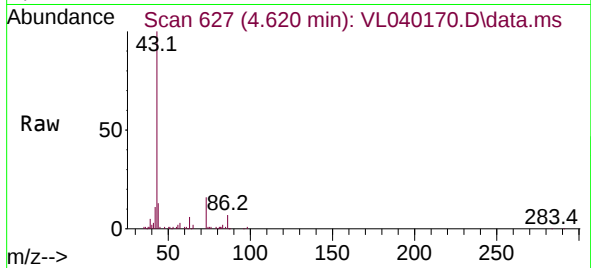
Tgt Ion: 96 Resp: 118519
 Ion Ratio Lower Upper
 96 100
 61 172.6 137.5 206.3
 98 62.0 52.8 79.2





#23
 Vinyl Acetate
 Concen: 1.984 ppbv m
 RT: 4.620 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

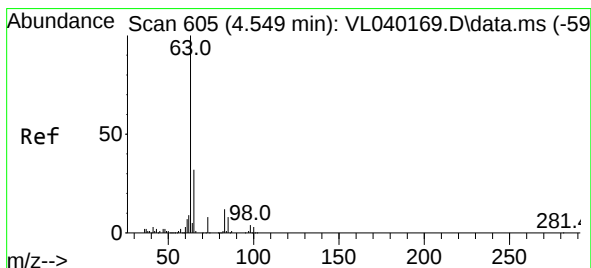
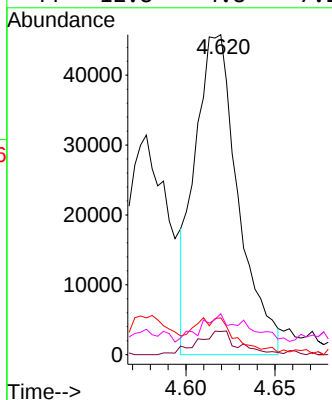
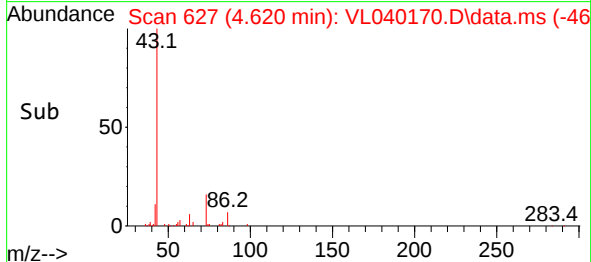
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



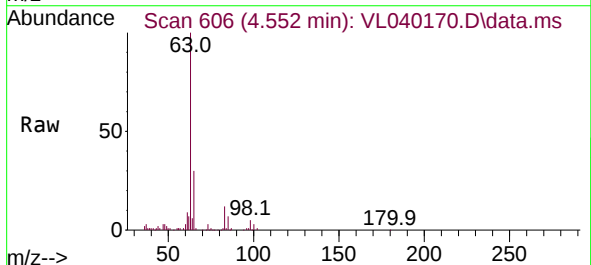
Tgt Ion: 43 Resp: 7753
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.6 8.4
 42 11.5 7.6 11.4
 44 12.8 4.8 7.2

Manual Integrations
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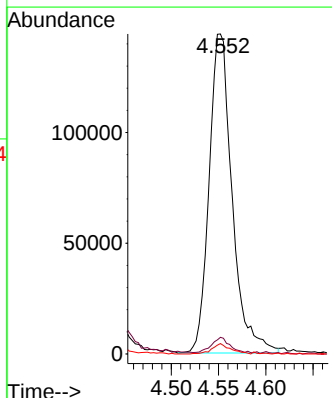
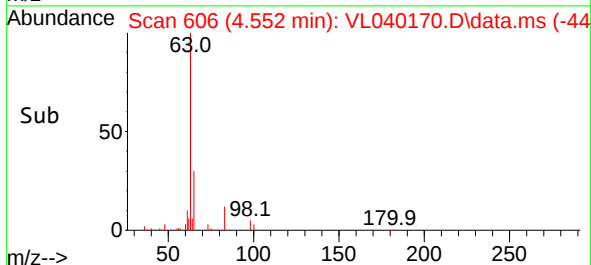
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

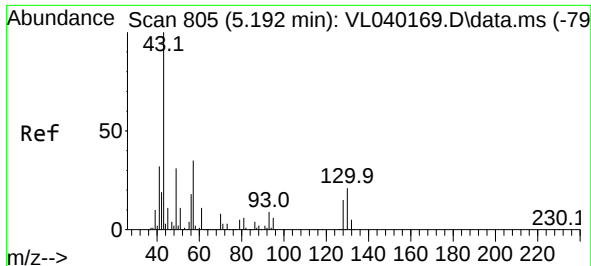


#24
 1,1-Dichloroethane
 Concen: 2.067 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09



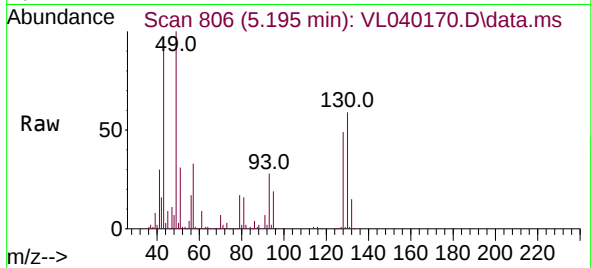
Tgt Ion: 63 Resp: 244606
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.3 6.8
 100 3.3 1.4 4.0





#25
Ethyl Acetate
Concen: 2.383 ppbv
RT: 5.195 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

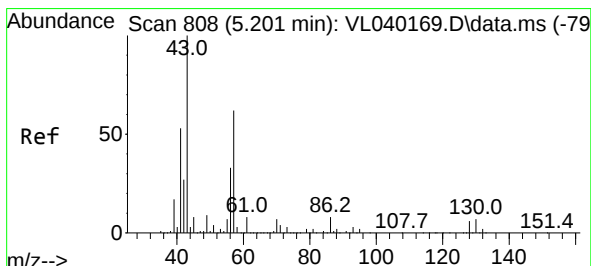
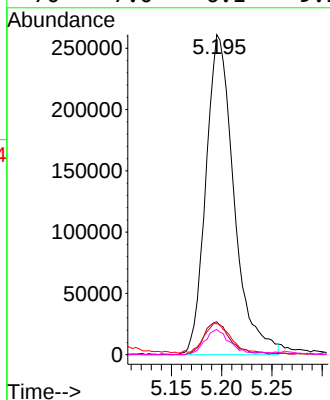
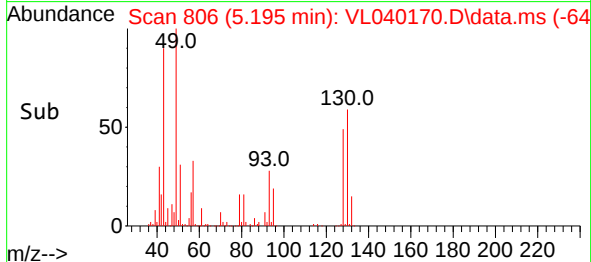
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 506230
Ion Ratio Lower Upper
43 100
45 10.3 8.3 12.5
61 10.3 8.4 12.6
70 7.0 6.1 9.1

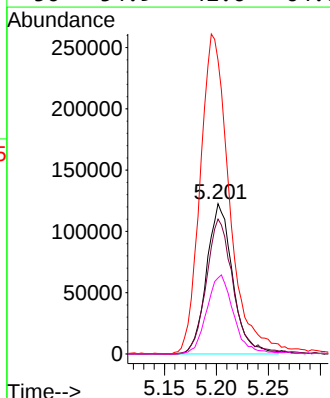
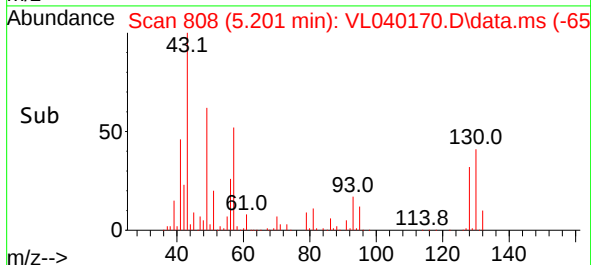
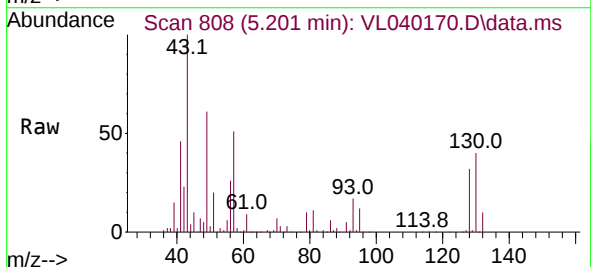
Manual Integrations
APPROVED

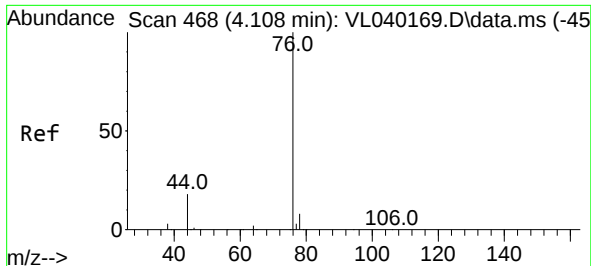
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#26
Hexane
Concen: 2.293 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

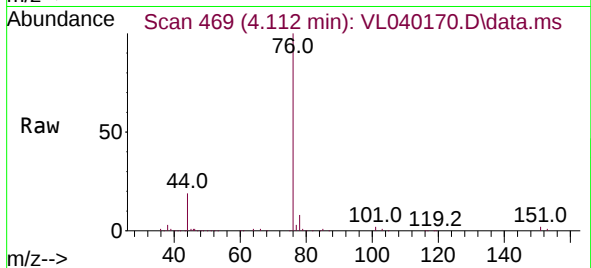
Tgt Ion: 57 Resp: 213161
Ion Ratio Lower Upper
57 100
41 94.6 74.3 111.5
43 243.8 193.0 289.4
56 54.9 42.6 64.0





#27
Carbon Disulfide
Concen: 2.131 ppbv
RT: 4.112 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

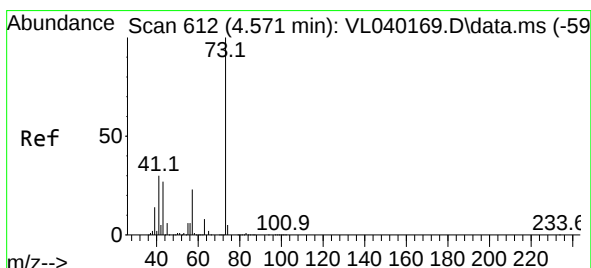
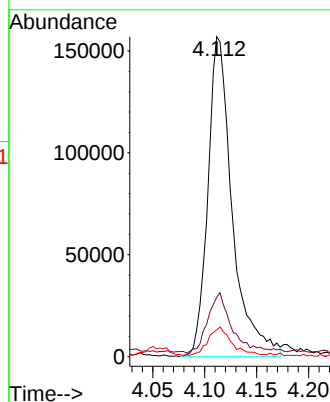
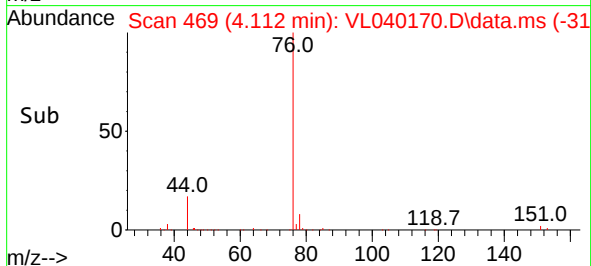
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 76 Resp: 256630
Ion Ratio Lower Upper
76 100
44 18.9 15.3 22.9
78 10.6 7.7 11.5

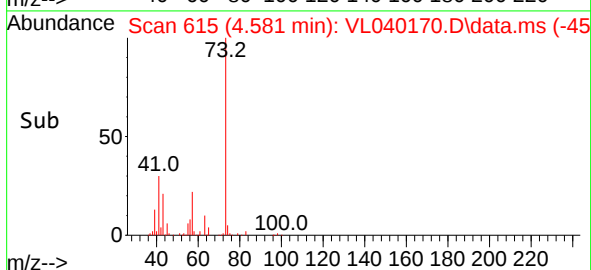
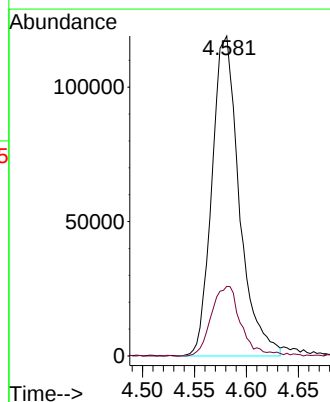
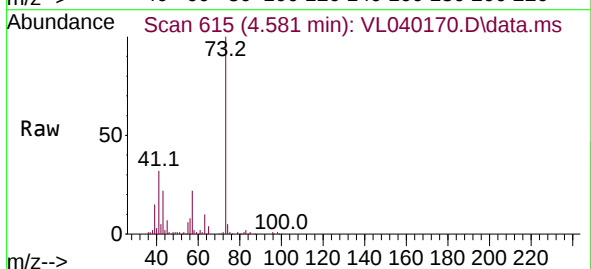
Manual Integrations
APPROVED

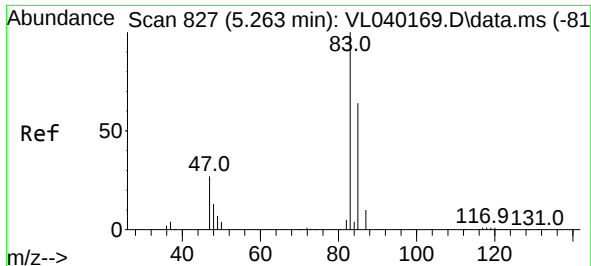
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#28
Methyl tert-Butyl Ether
Concen: 2.090 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.010 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 73 Resp: 218632
Ion Ratio Lower Upper
73 100
57 23.8 18.8 28.2





#29

Chloroform

Concen: 2.402 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 357014

Ion Ratio Lower Upper

83 100

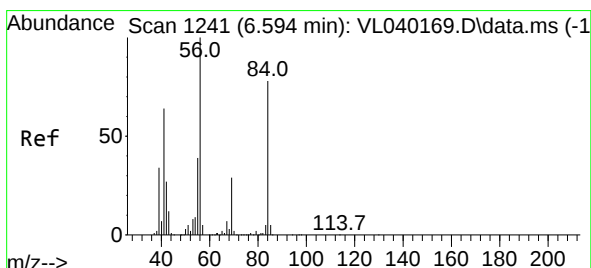
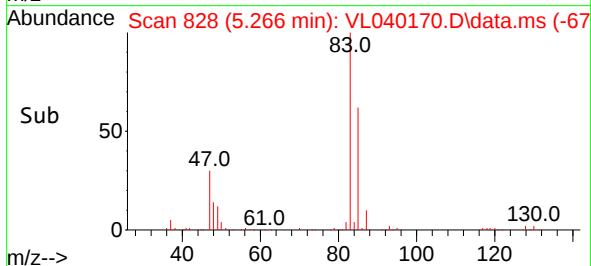
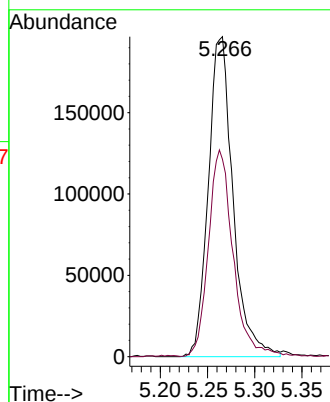
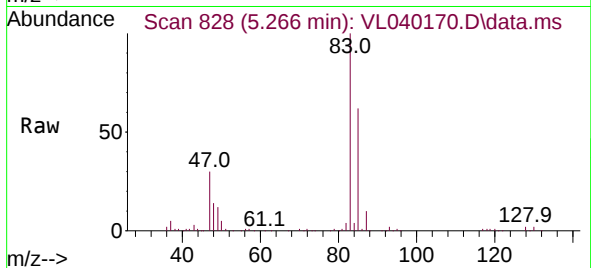
85 61.6 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#30

Cyclohexane

Concen: 2.255 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

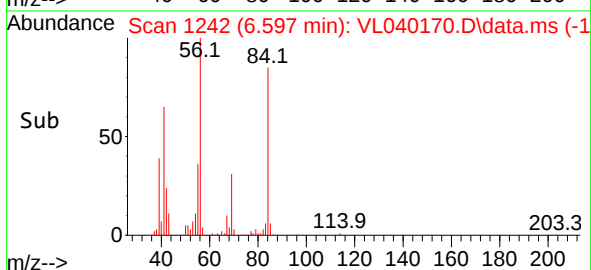
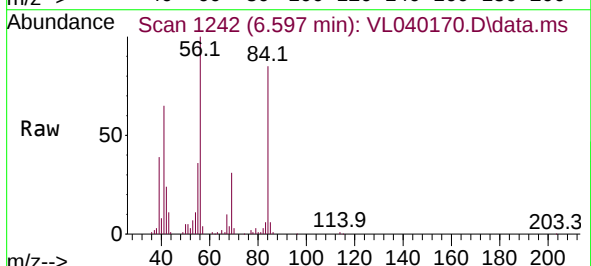
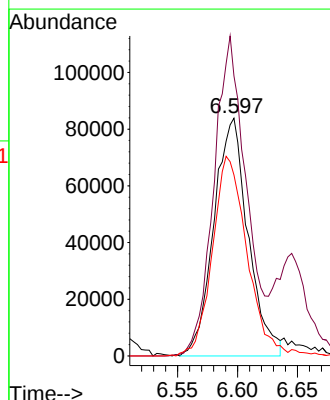
Tgt Ion: 84 Resp: 166671

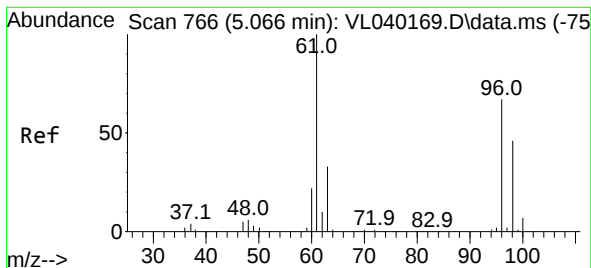
Ion Ratio Lower Upper

84 100

56 131.4 109.9 164.9

41 85.7 67.8 101.6





#31

cis-1,2-Dichloroethene

Concen: 2.209 ppbv

RT: 5.066 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 61 Resp: 198770

Ion Ratio Lower Upper

61 100

96 65.6 53.7 80.5

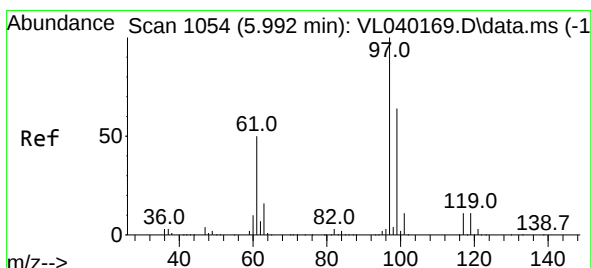
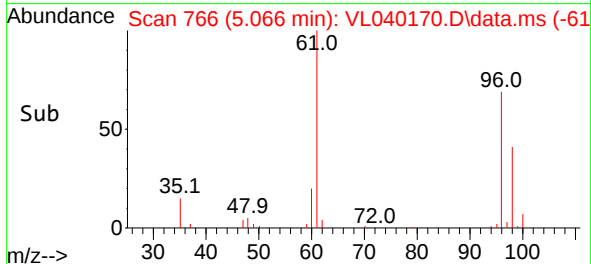
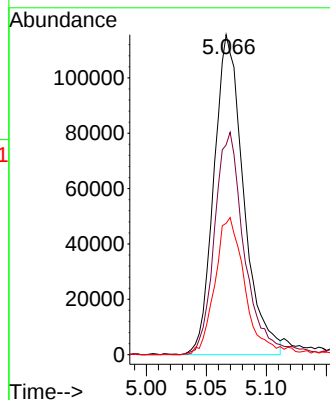
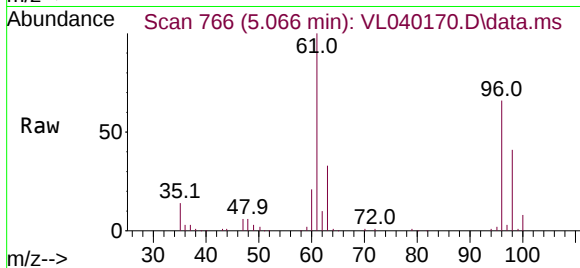
98 41.1 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#32

1,1,1-Trichloroethane

Concen: 2.238 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

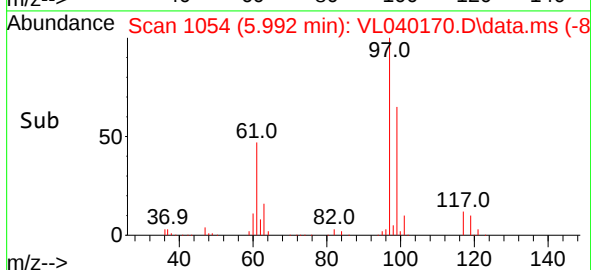
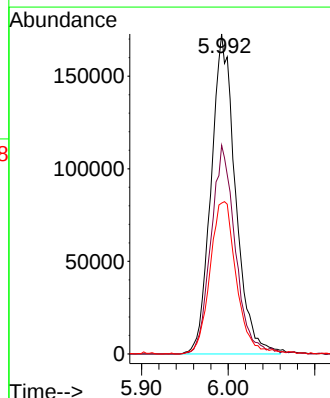
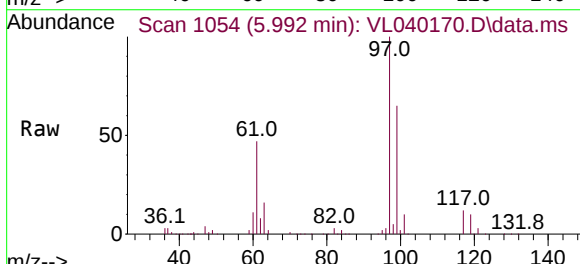
Tgt Ion: 97 Resp: 338093

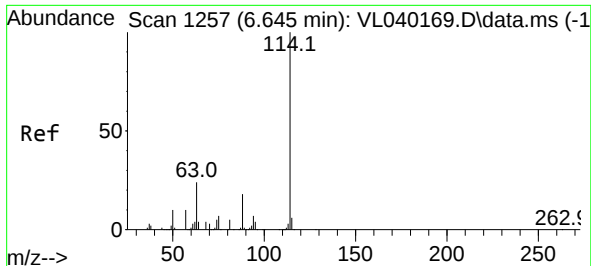
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

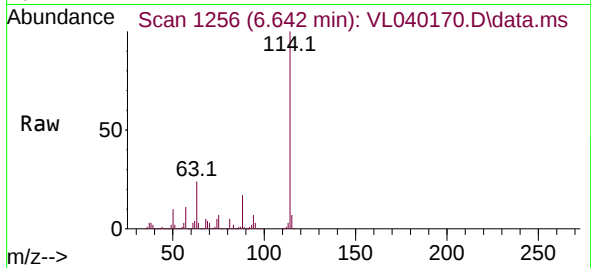
61 51.7 40.6 60.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

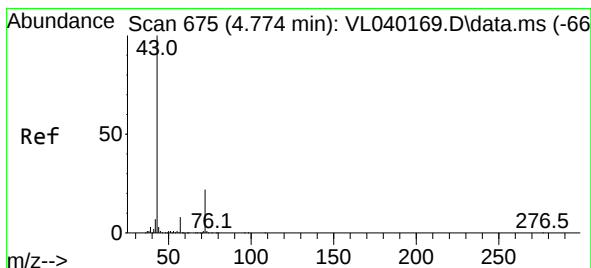
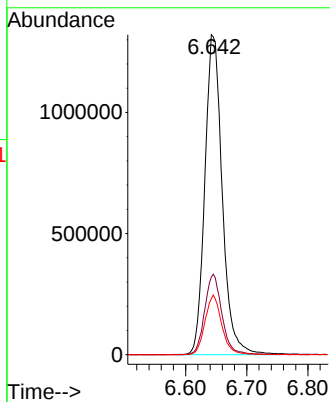
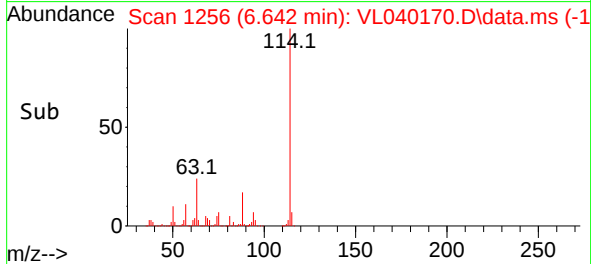
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 261702
Ion Ratio Lower Upper
114 100
63 25.1 20.4 30.6
88 17.9 14.3 21.5

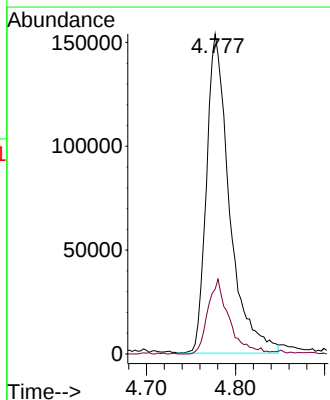
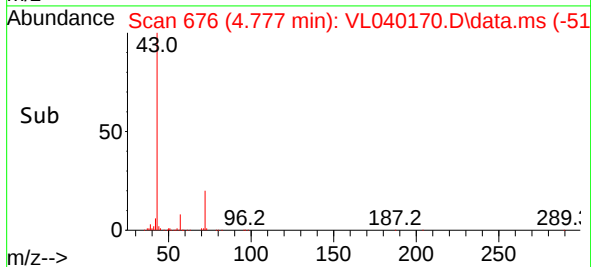
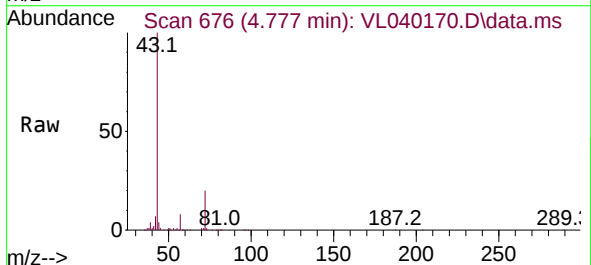
Manual Integrations
APPROVED

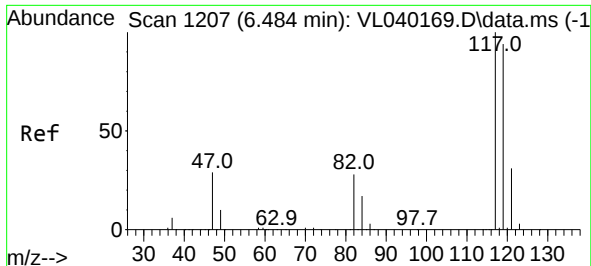
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#34
2-Butanone
Concen: 2.228 ppbv
RT: 4.777 min Scan# 676
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

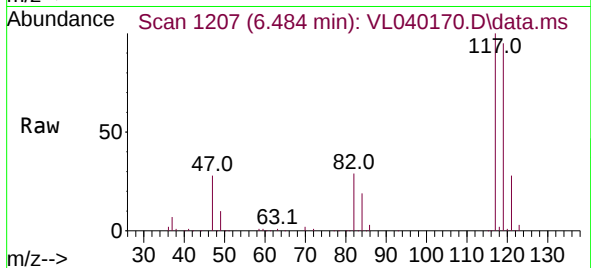
Tgt Ion: 43 Resp: 275854
Ion Ratio Lower Upper
43 100
72 21.8 17.8 26.8





#35
Carbon Tetrachloride
Concen: 2.298 ppbv
RT: 6.484 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

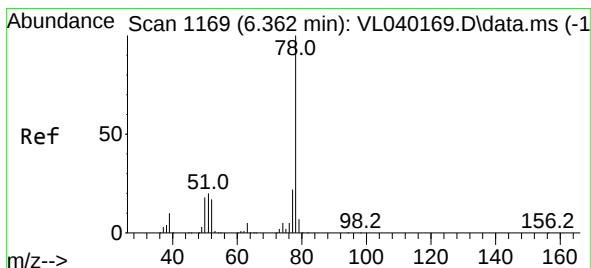
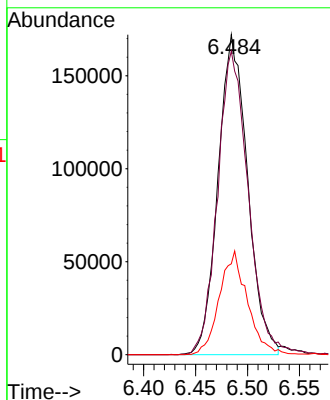
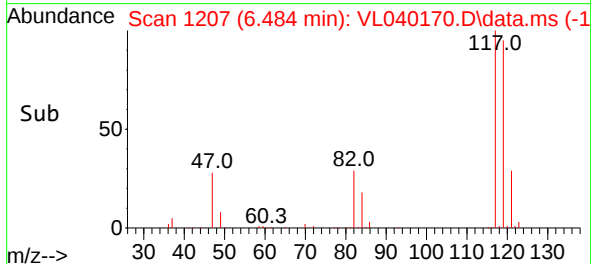
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:117 Resp: 340080
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.6
121 28.4 25.0 37.4

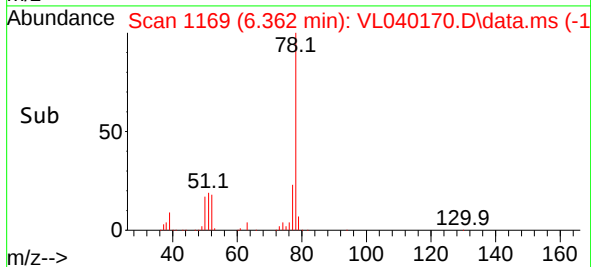
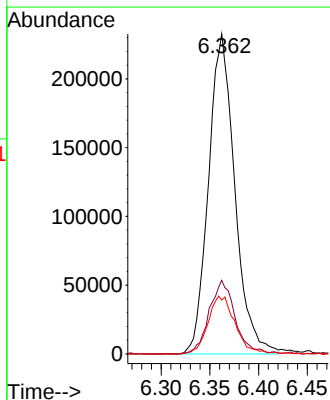
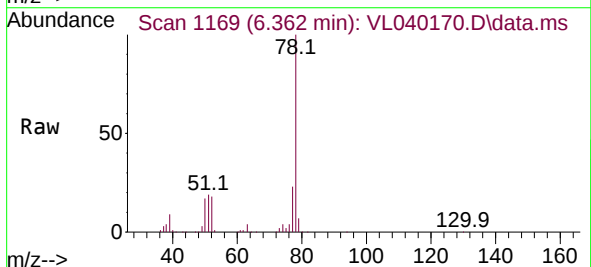
Manual Integrations
APPROVED

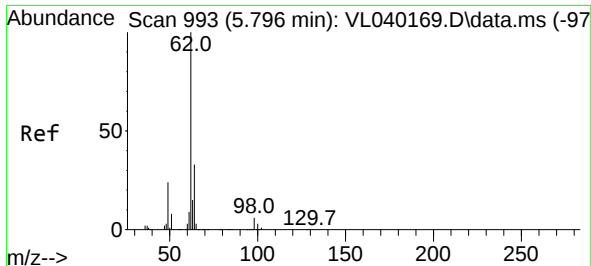
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#36
Benzene
Concen: 2.253 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 78 Resp: 436316
Ion Ratio Lower Upper
78 100
77 23.0 17.5 26.3
50 16.8 14.6 22.0





#37

1,2-Dichloroethane

Concen: 2.119 ppbv

RT: 5.796 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 62 Resp: 263775

Ion Ratio Lower Upper

62 100

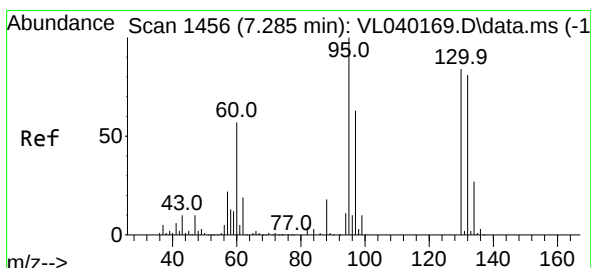
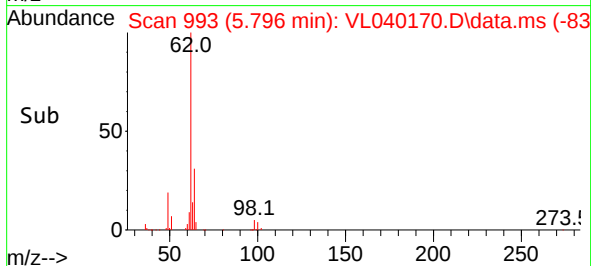
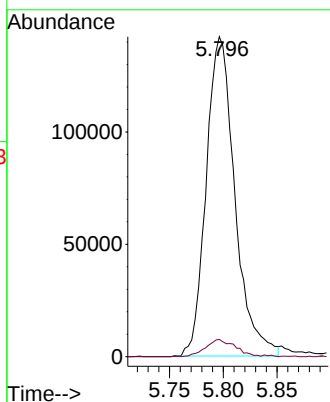
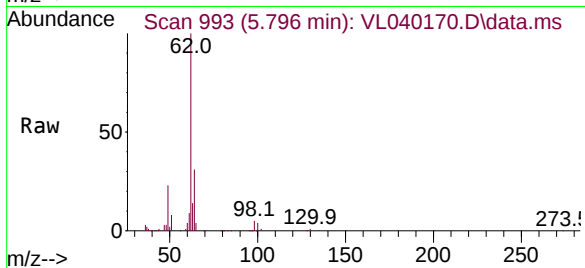
98 5.8 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#38

Trichloroethene

Concen: 2.245 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion:130 Resp: 246762

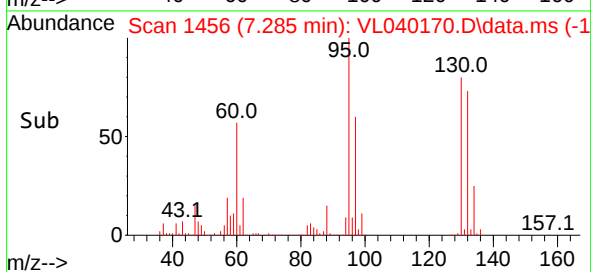
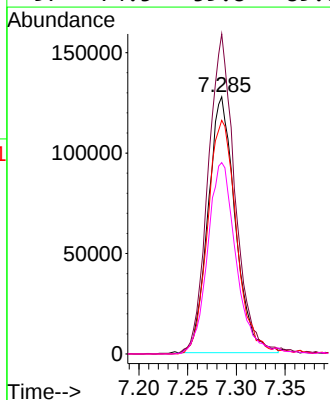
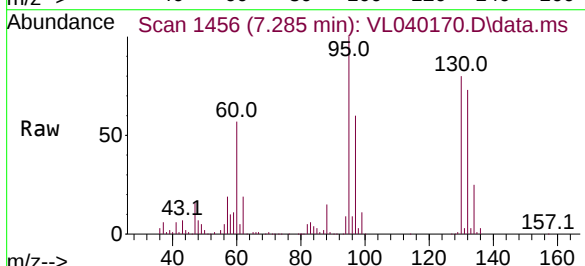
Ion Ratio Lower Upper

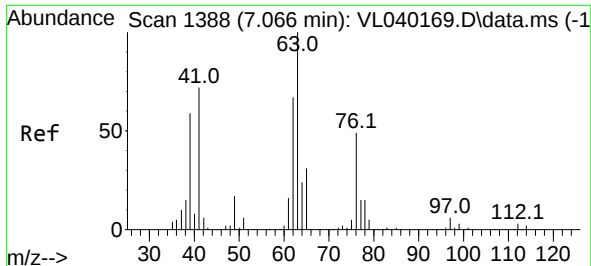
130 100

95 124.9 94.7 142.1

132 91.3 76.4 114.6

97 74.5 59.8 89.6





#39

1,2-Dichloropropane

Concen: 2.233 ppbv

RT: 7.060 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 63 Resp: 16916

Ion Ratio Lower Upper

63 100

41 72.3 57.6 86.4

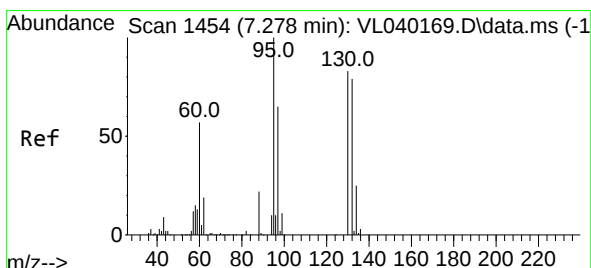
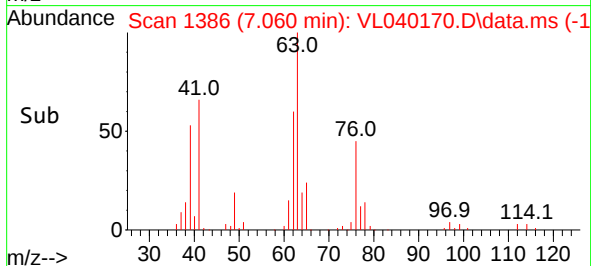
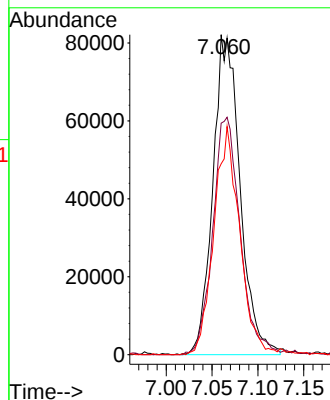
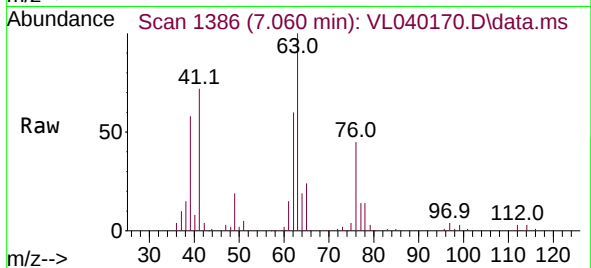
62 59.6 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#40

1,4-Dioxane

Concen: 2.243 ppbv m

RT: 7.288 min Scan# 1457

Delta R.T. 0.010 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion: 88 Resp: 67436

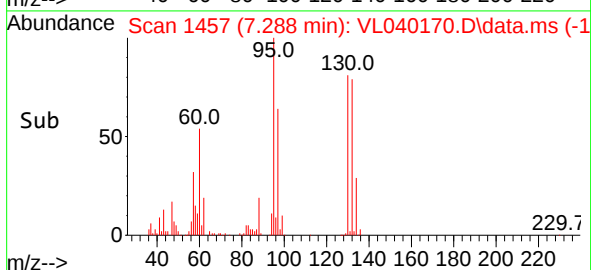
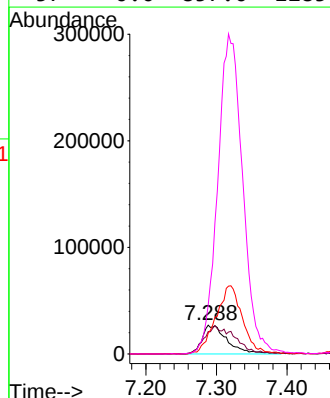
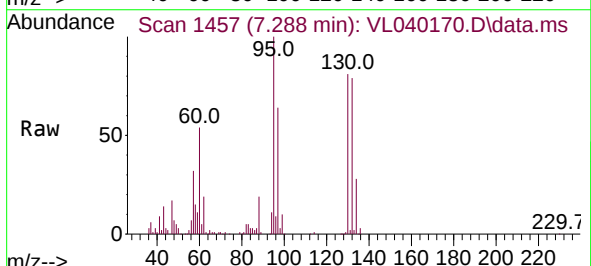
Ion Ratio Lower Upper

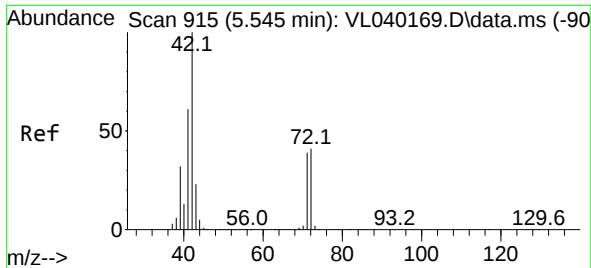
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

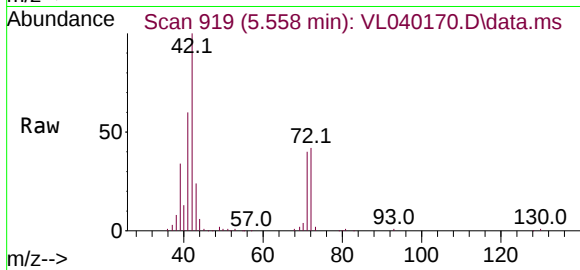
57 0.0 857.0 1285.6#





#41
Tetrahydrofuran
Concen: 2.267 ppbv
RT: 5.558 min Scan# 915
Delta R.T. 0.013 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

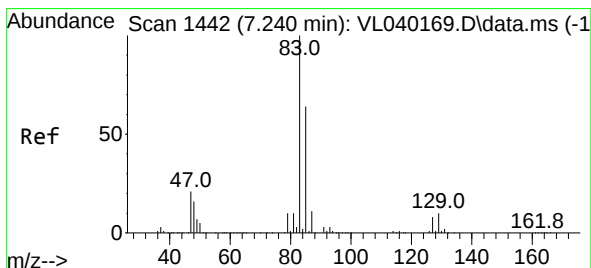
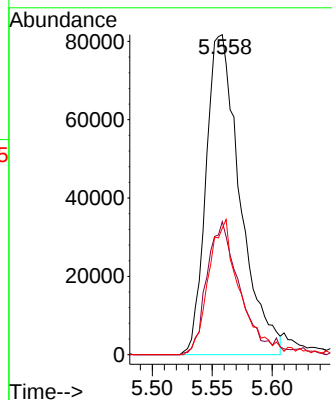
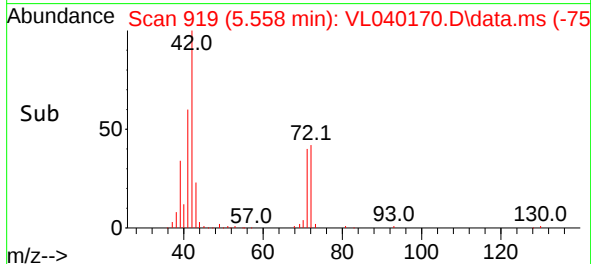
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 161949
Ion Ratio Lower Upper
42 100
72 41.7 33.0 49.4
71 40.4 31.4 47.2

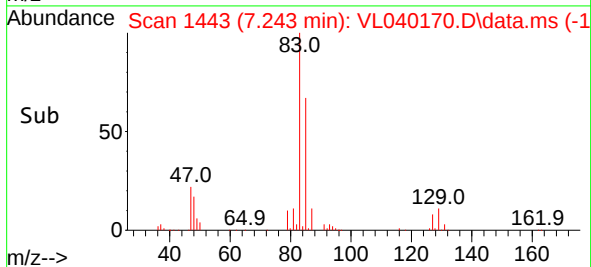
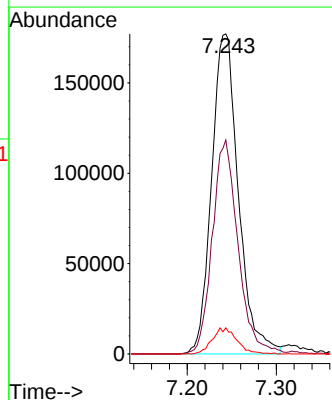
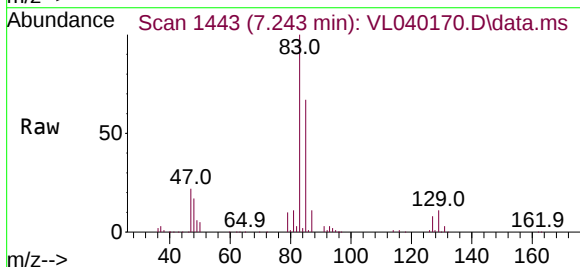
Manual Integrations
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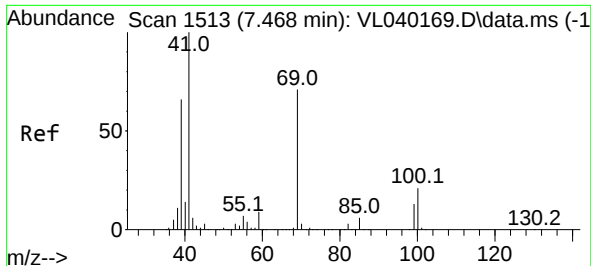
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#42
Bromodichloromethane
Concen: 2.202 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 83 Resp: 370069
Ion Ratio Lower Upper
83 100
85 66.8 50.9 76.3
127 8.1 6.2 9.2





#43
Methyl Methacrylate
Concen: 2.291 ppbv
RT: 7.471 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

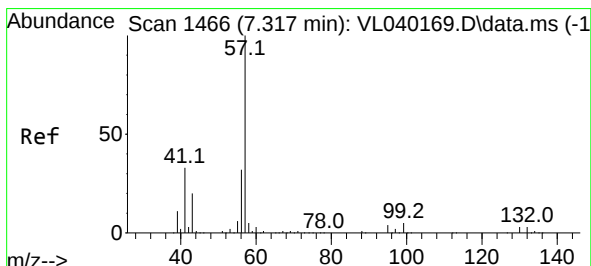
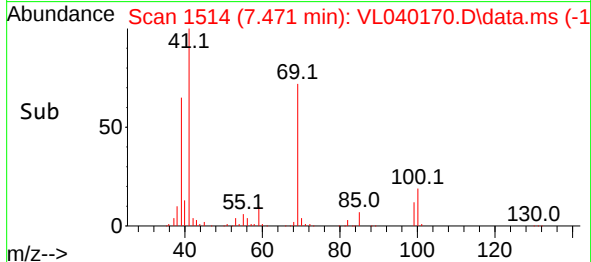
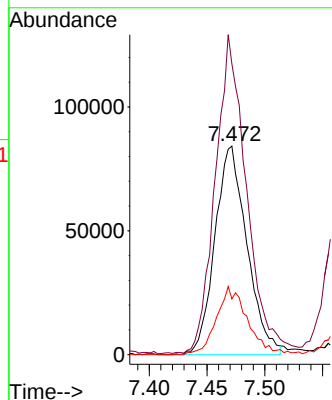
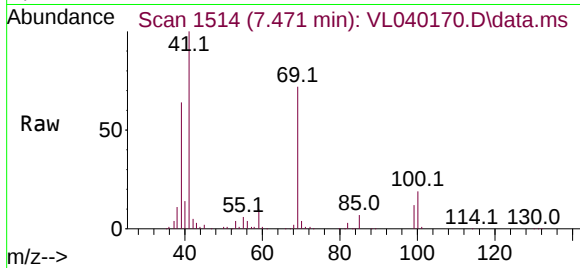
VSTDICC002

Tgt Ion: 69 Resp: 16284
Ion Ratio Lower Upper
69 100
41 150.6 116.6 174.8
100 31.8 25.6 38.4

Manual Integrations

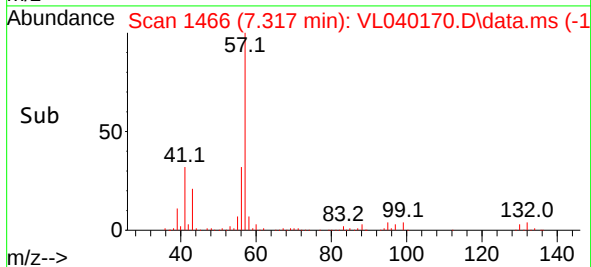
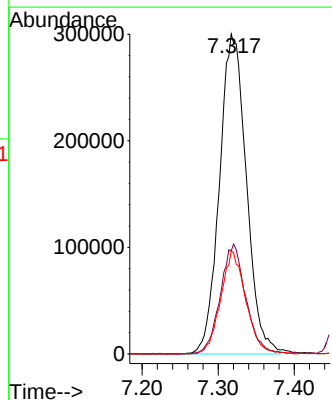
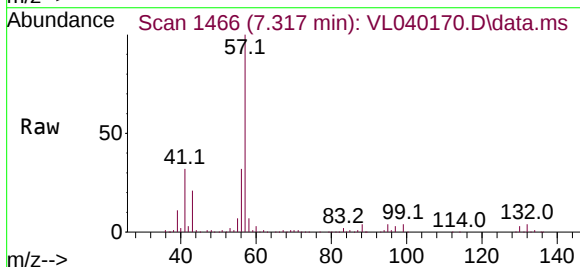
APPROVED

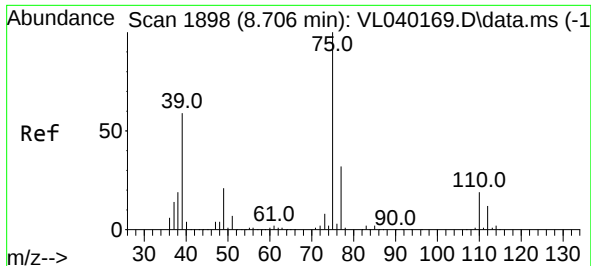
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#44
2,2,4-Trimethylpentane
Concen: 2.287 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

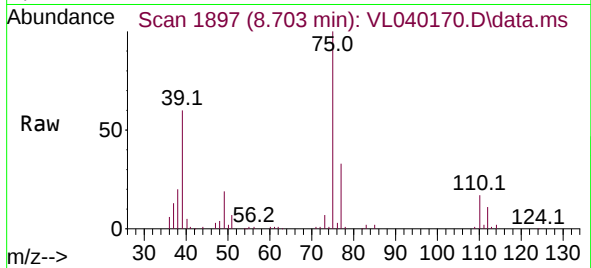
Tgt Ion: 57 Resp: 736677
Ion Ratio Lower Upper
57 100
41 32.8 26.2 39.4
56 30.1 24.9 37.3





#45
t-1,3-Dichloropropene
Concen: 2.146 ppbv
RT: 8.703 min Scan# 1898
Delta R.T. -0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

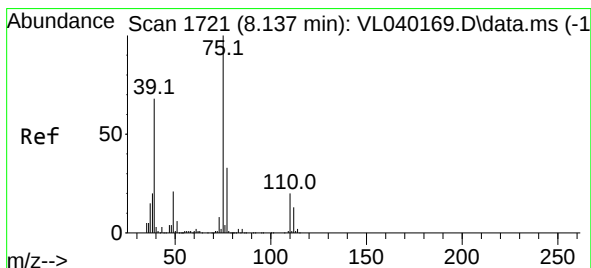
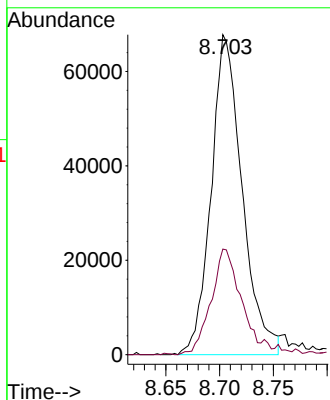
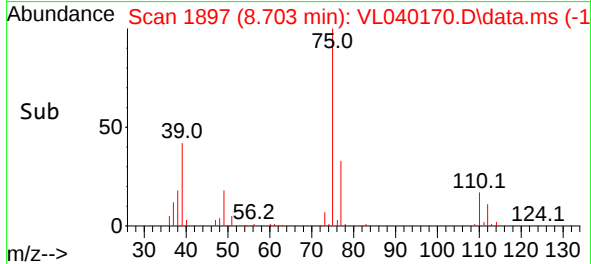
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 75 Resp: 13599
Ion Ratio Lower Upper
75 100
77 33.0 25.7 38.5

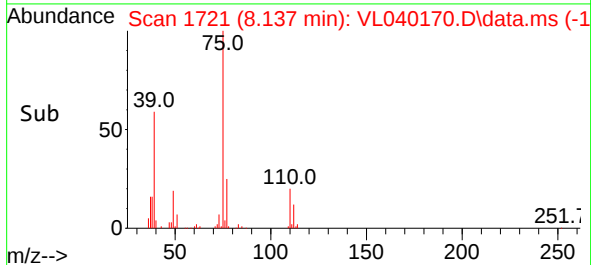
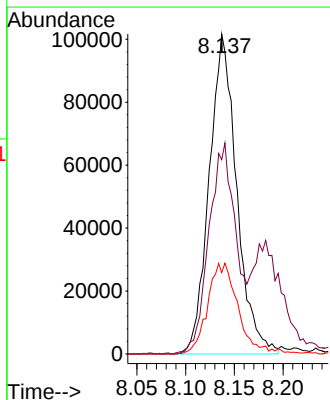
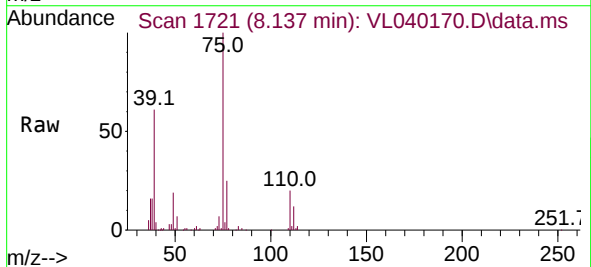
Manual Integrations
APPROVED

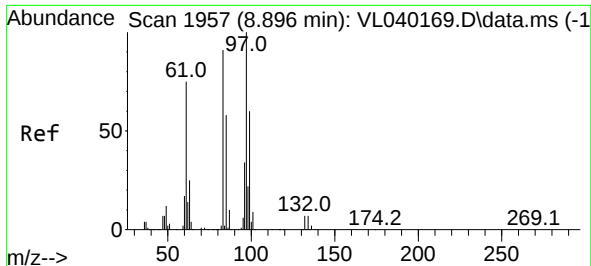
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#46
cis-1,3-Dichloropropene
Concen: 2.302 ppbv
RT: 8.137 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 75 Resp: 199328
Ion Ratio Lower Upper
75 100
39 60.2 54.2 81.2
77 25.2 26.0 39.0#





#47

1,1,2-Trichloroethane

Concen: 2.277 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 181618

Ion Ratio Lower Upper

97 100

83 82.6 72.8 109.2

85 54.1 46.6 69.8

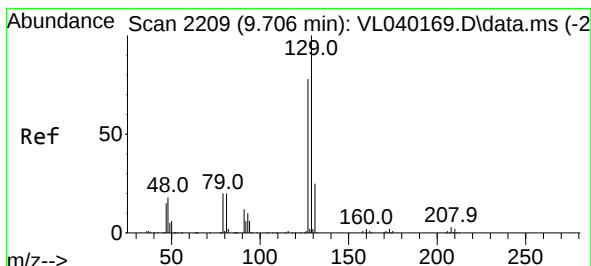
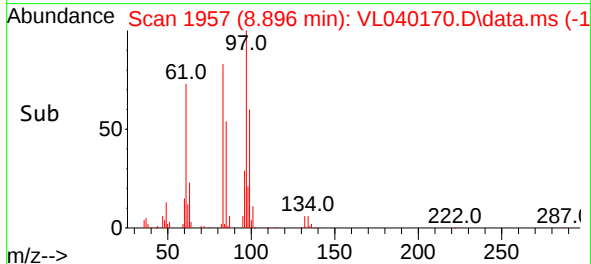
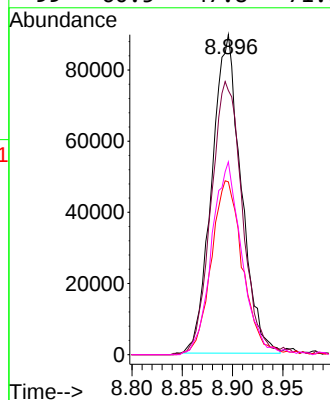
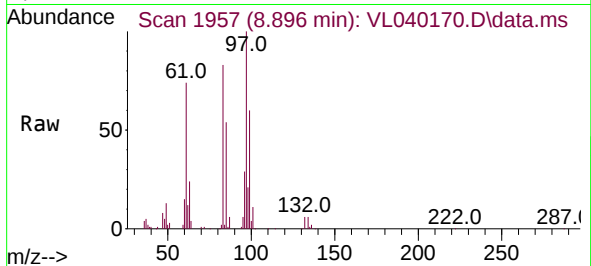
99 60.5 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#48

Dibromochloromethane

Concen: 2.260 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.003 min

Lab File: VL040170.D

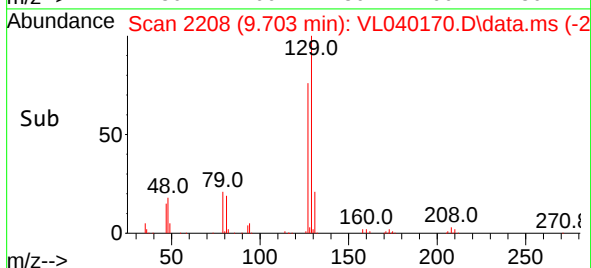
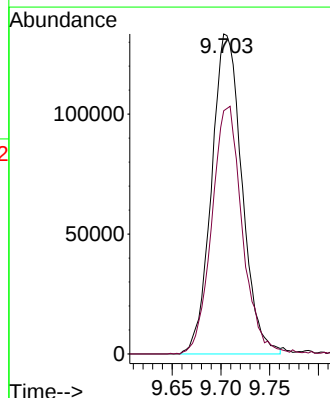
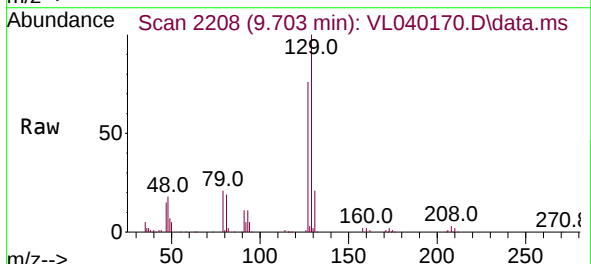
Acq: 15 Feb 2023 11:09

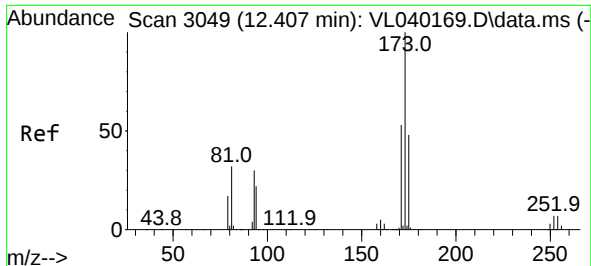
Tgt Ion:129 Resp: 289662

Ion Ratio Lower Upper

129 100

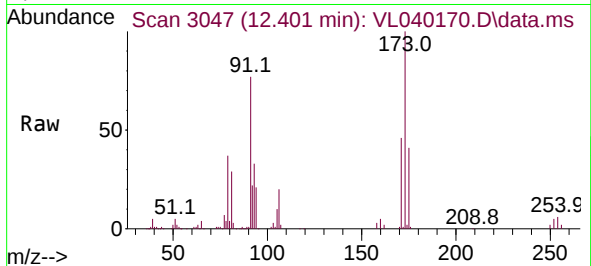
127 78.1 39.1 117.2





#49
Bromoform
Concen: 2.270 ppbv
RT: 12.401 min Scan# 3049
Delta R.T. -0.006 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

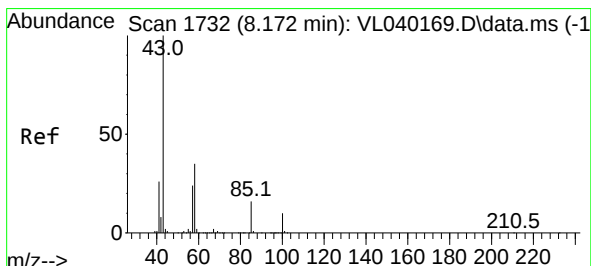
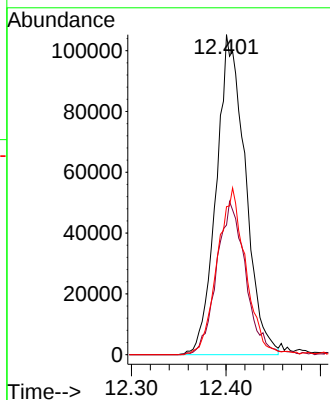
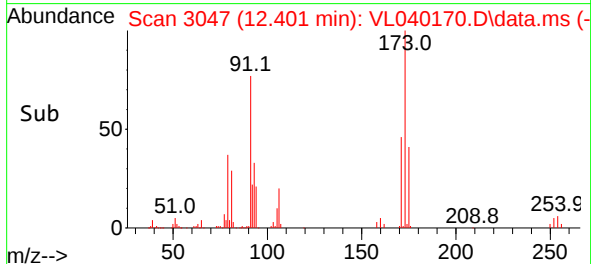
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:173 Resp: 22415
Ion Ratio Lower Upper
173 100
175 48.3 39.4 59.0
171 51.8 41.8 62.6

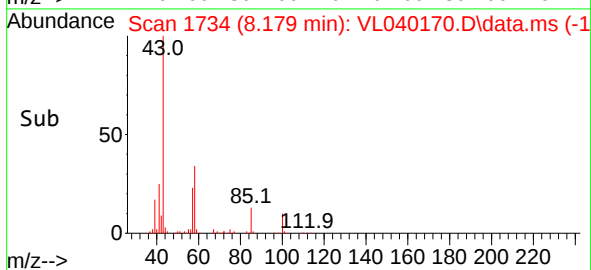
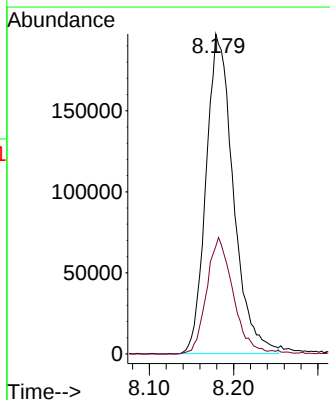
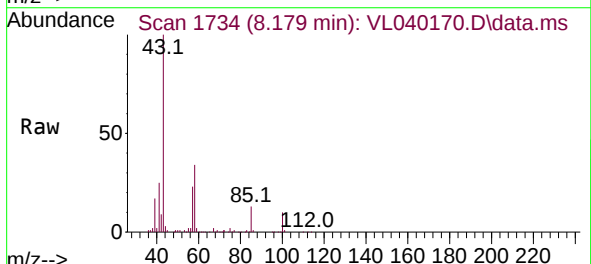
Manual Integrations
APPROVED

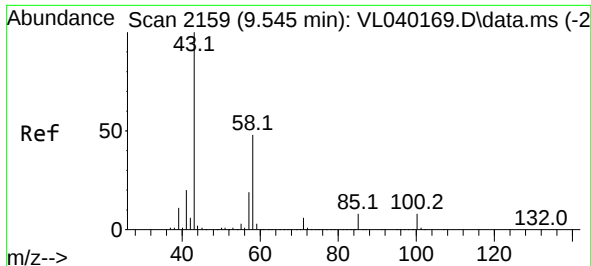
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#50
4-Methyl-2-Pentanone
Concen: 2.280 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.007 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

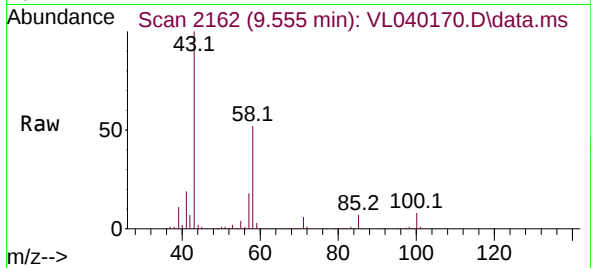
Tgt Ion: 43 Resp: 443891
Ion Ratio Lower Upper
43 100
58 35.9 29.2 43.8





#51
2-Hexanone
Concen: 2.288 ppbv
RT: 9.555 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

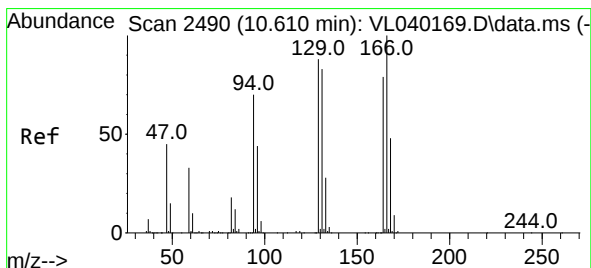
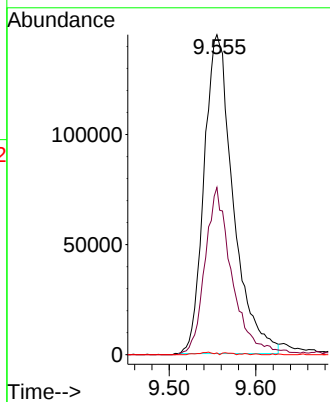
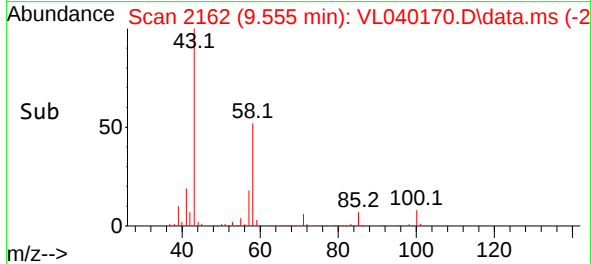
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 33749
Ion Ratio Lower Upper
43 100
58 49.6 39.1 58.7
98 0.7 0.2 0.4

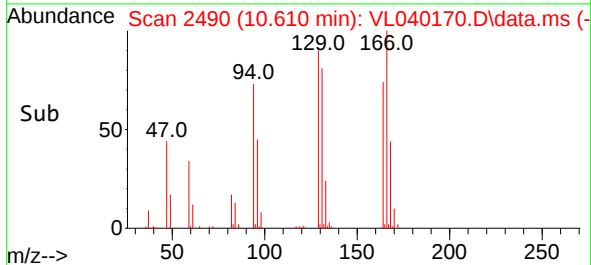
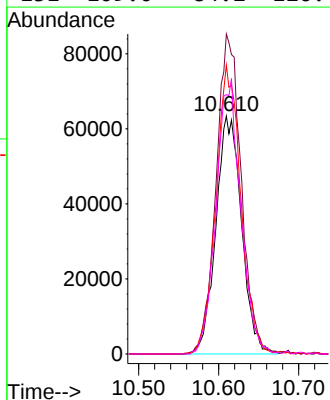
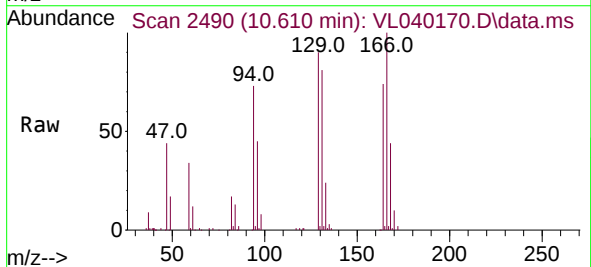
Manual Integrations
APPROVED

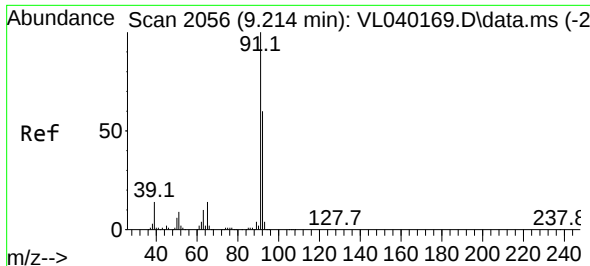
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#52
Tetrachloroethene
Concen: 2.232 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

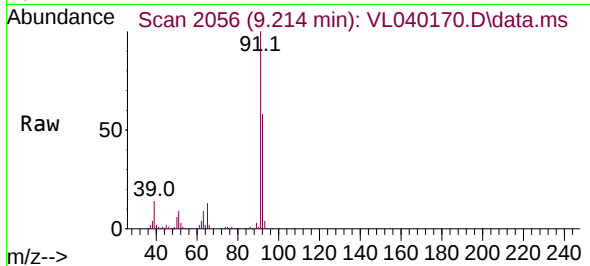
Tgt Ion:164 Resp: 141382
Ion Ratio Lower Upper
164 100
166 134.5 101.5 152.3
129 121.4 89.0 133.4
131 109.0 84.2 126.4





#53
Toluene
Concen: 2.329 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

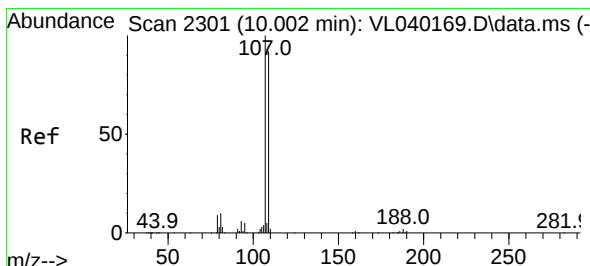
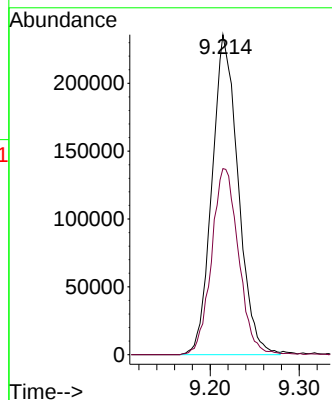
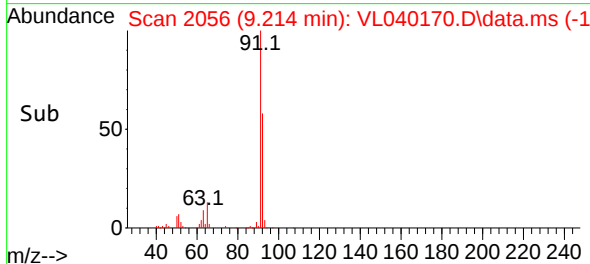
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



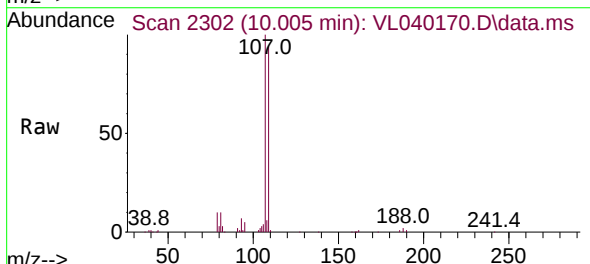
Tgt Ion: 91 Resp: 481154
Ion Ratio Lower Upper
91 100
92 60.3 48.9 73.3

Manual Integrations
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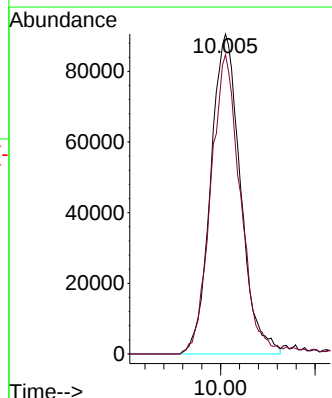
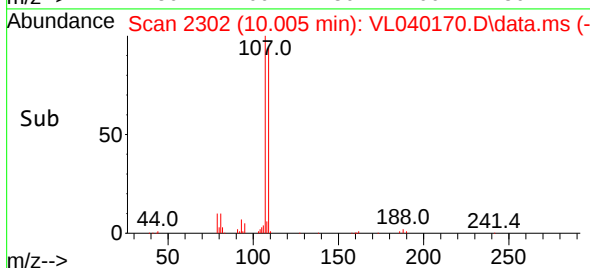
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

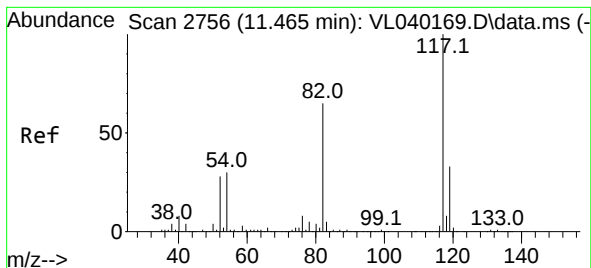


#54
1,2-Dibromoethane
Concen: 2.369 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09



Tgt Ion:107 Resp: 197777
Ion Ratio Lower Upper
107 100
109 93.5 73.8 110.8





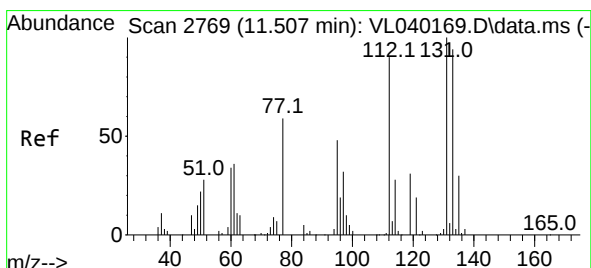
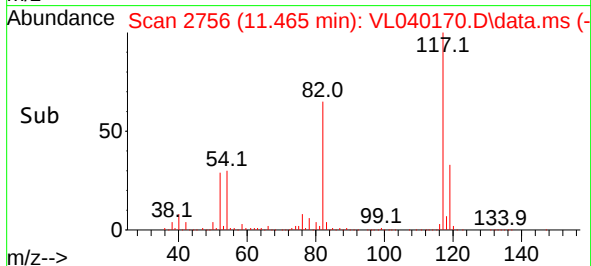
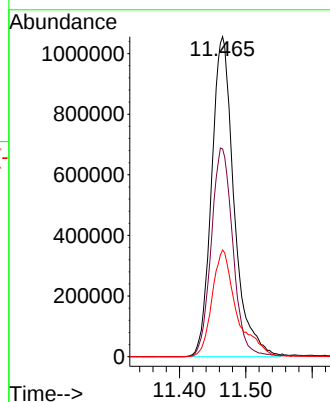
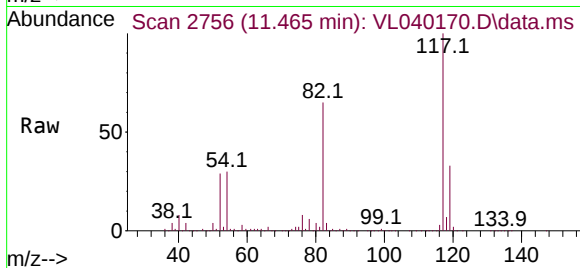
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:117 Resp: 248501
Ion Ratio Lower Upper
117 100
82 63.7 53.3 79.9
119 36.5 24.6 37.0

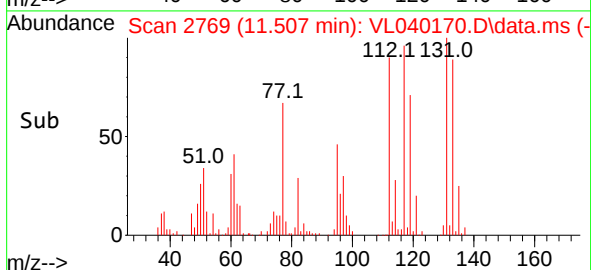
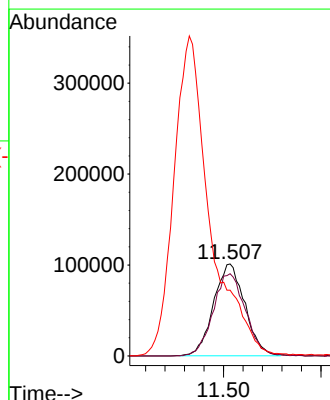
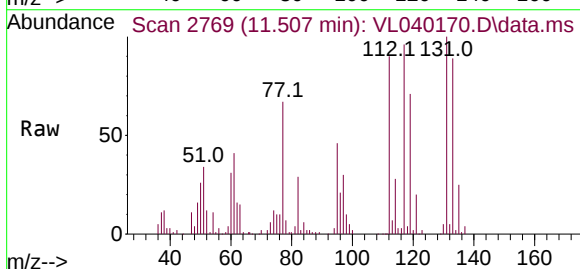
Manual Integrations
APPROVED

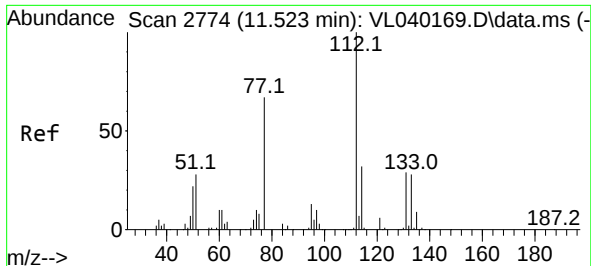
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 2.324 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

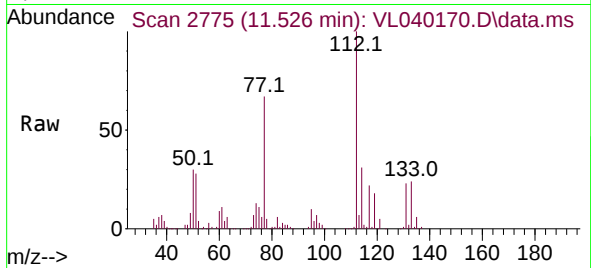
Tgt Ion:131 Resp: 224738
Ion Ratio Lower Upper
131 100
133 92.9 76.2 114.2
119 404.9 45.4 68.0#





#57
Chlorobenzene
Concen: 2.256 ppbv
RT: 11.526 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

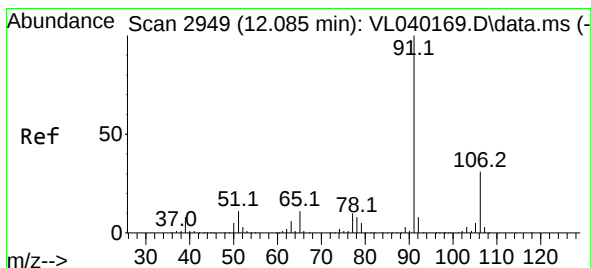
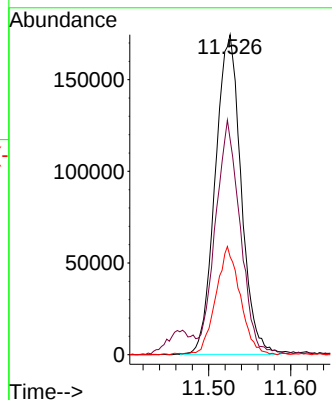
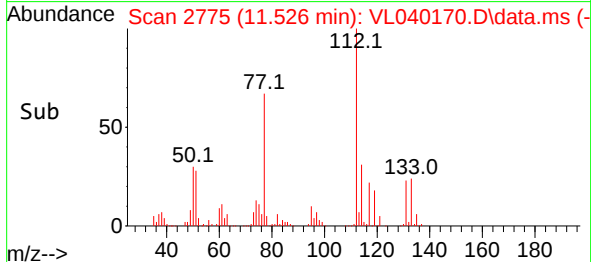
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 112 Resp: 38212
Ion Ratio Lower Upper
112 100
77 66.4 55.0 82.4
114 30.3 29.0 35.4

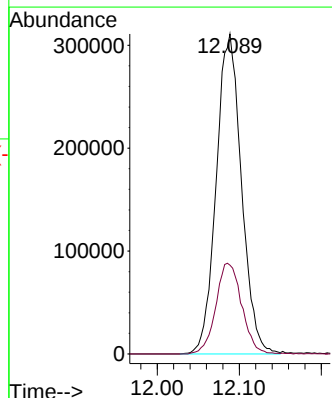
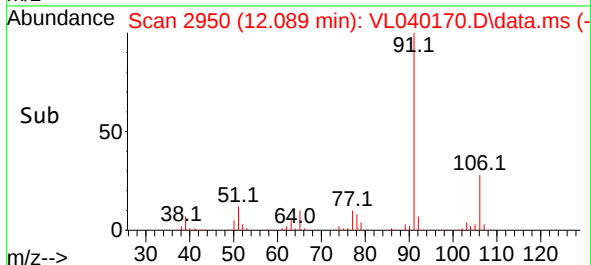
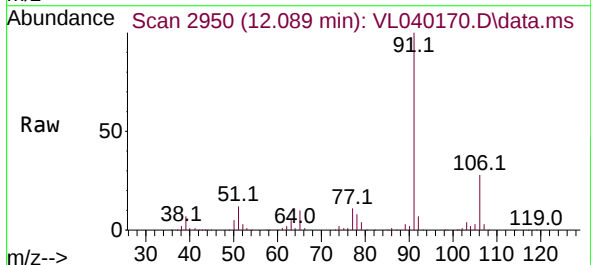
Manual Integrations
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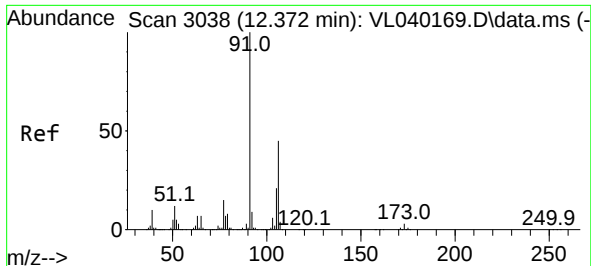
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#58
Ethyl Benzene
Concen: 2.399 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 91 Resp: 665284
Ion Ratio Lower Upper
91 100
106 27.8 24.9 37.3





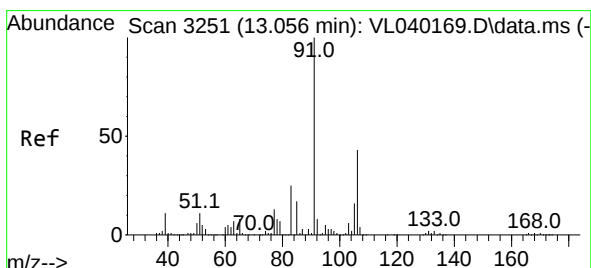
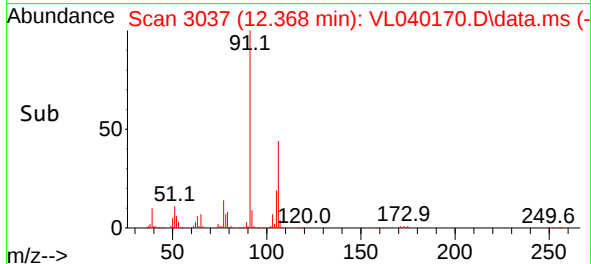
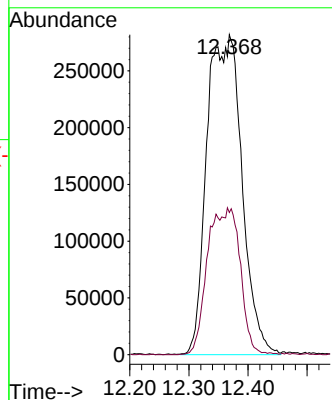
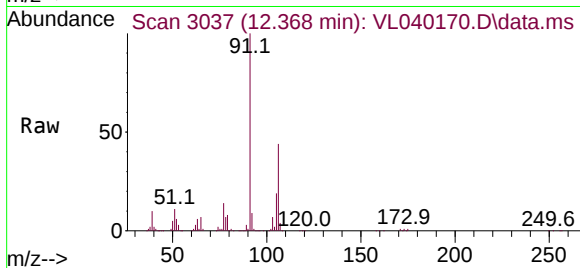
#59
m/p-Xylene
Concen: 4.647 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 115858
Ion Ratio Lower Upper
91 100
106 43.1 34.6 51.8

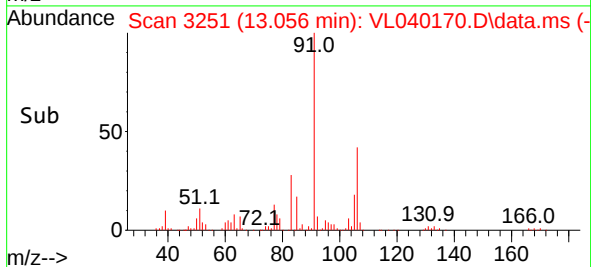
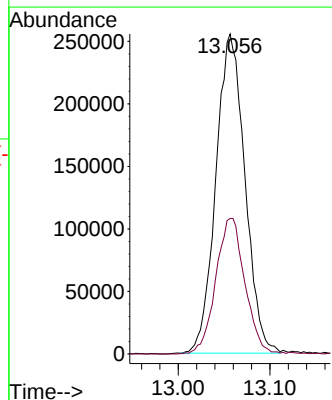
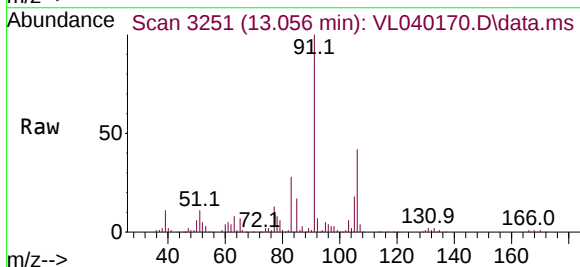
Manual Integrations
APPROVED

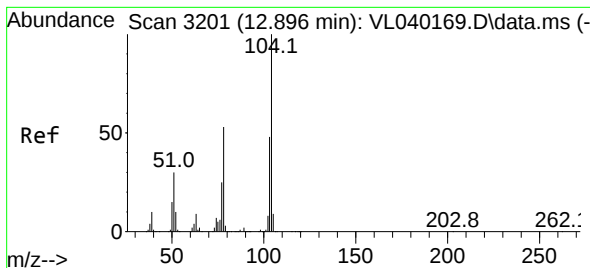
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#60
o-Xylene
Concen: 2.372 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 91 Resp: 561470
Ion Ratio Lower Upper
91 100
106 42.8 21.6 65.0





#61

Styrene

Concen: 2.412 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

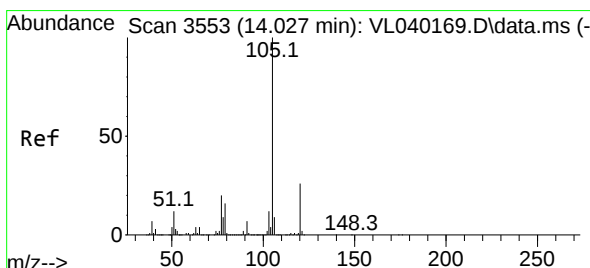
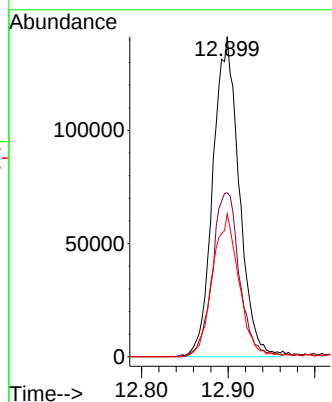
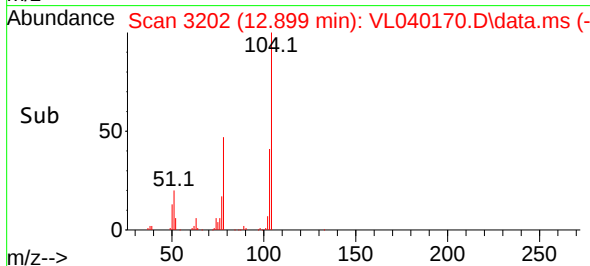
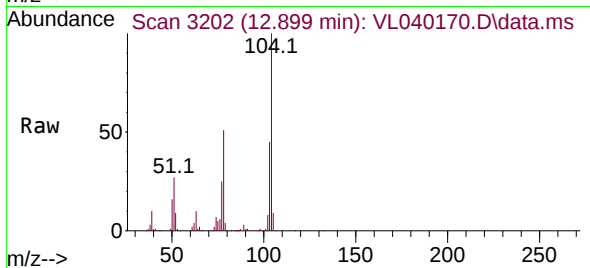
VSTDIC002

Tgt Ion:104 Resp: 29749
 Ion Ratio Lower Upper
 104 100
 78 52.9 42.3 63.5
 103 45.4 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023



#62

Isopropylbenzene

Concen: 2.393 ppbv

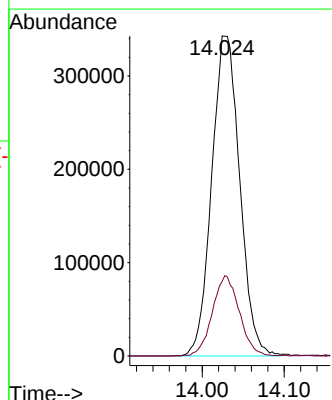
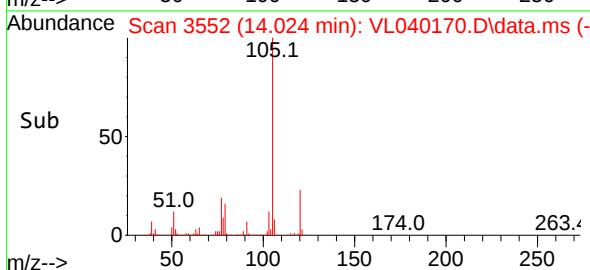
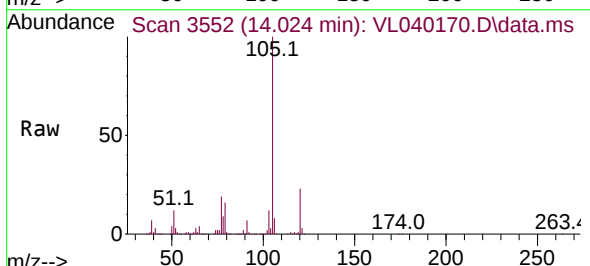
RT: 14.024 min Scan# 3552

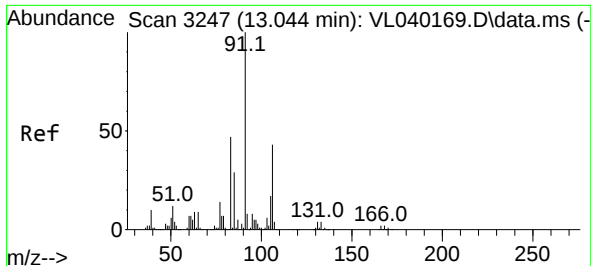
Delta R.T. -0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

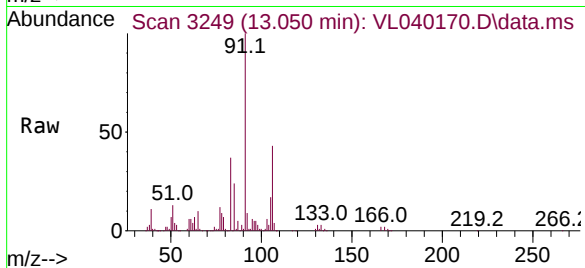
Tgt Ion:105 Resp: 814700
 Ion Ratio Lower Upper
 105 100
 120 24.2 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 2.327 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

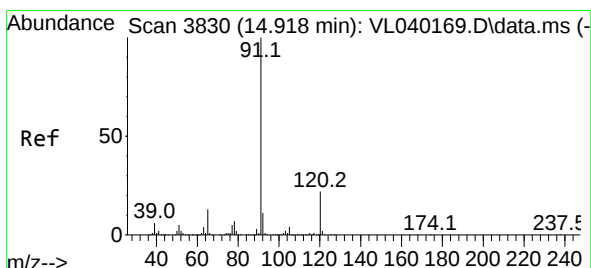
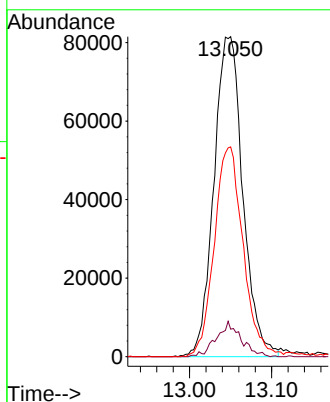
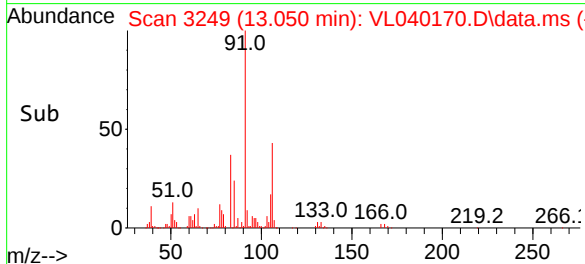
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



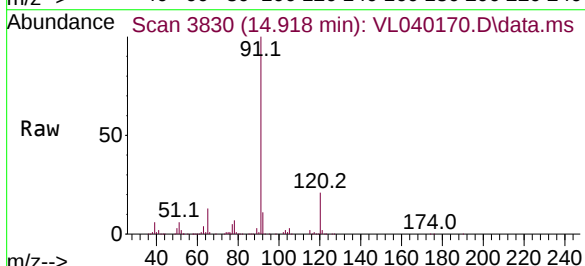
Tgt Ion: 83 Resp: 199930
Ion Ratio Lower Upper
83 100
131 9.4 4.4 13.2
85 66.0 33.0 99.0

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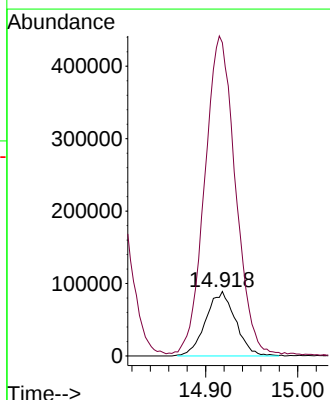
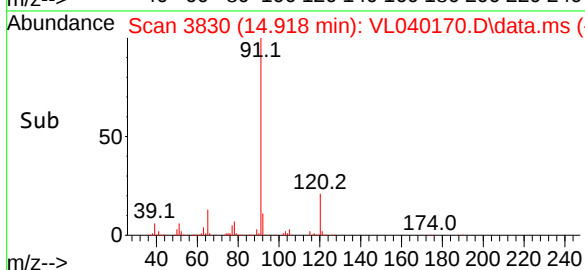
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

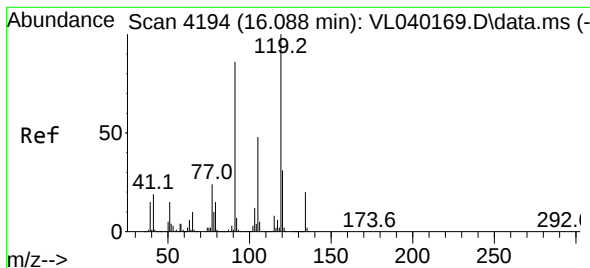


#64
n-propylbenzene
Concen: 2.357 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09



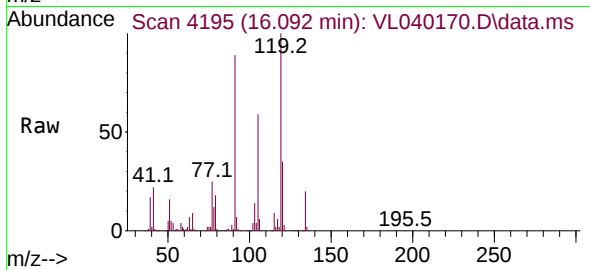
Tgt Ion:120 Resp: 199464
Ion Ratio Lower Upper
120 100
91 517.8 389.8 584.8





#65
tert-Butylbenzene
Concen: 2.461 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

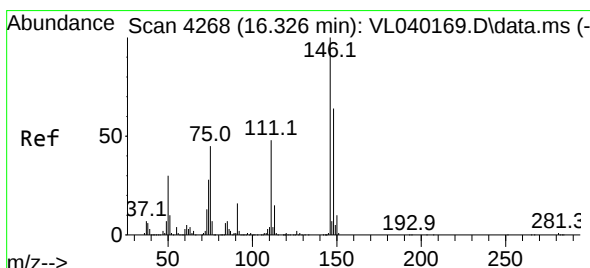
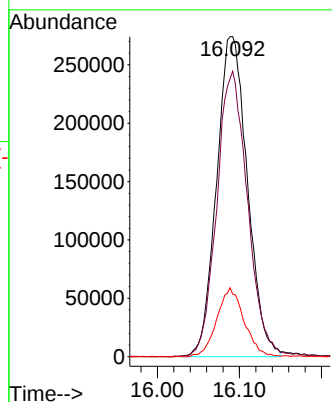
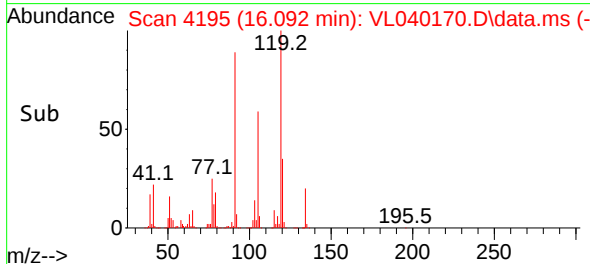
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



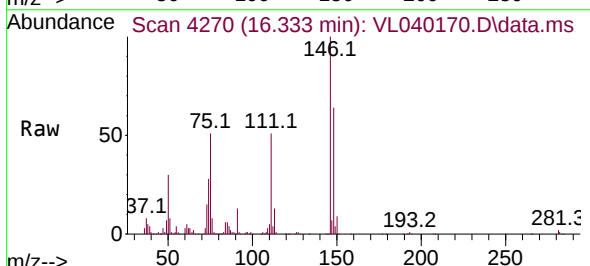
Tgt Ion: 119 Resp: 71727
Ion Ratio Lower Upper
119 100
91 89.2 68.6 102.8
134 19.2 15.9 23.9

Manual Integrations
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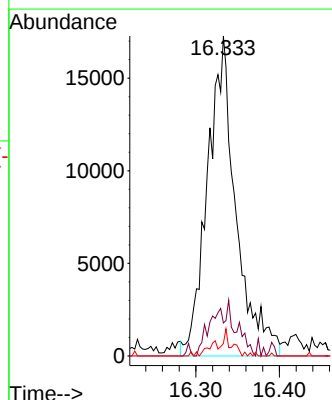
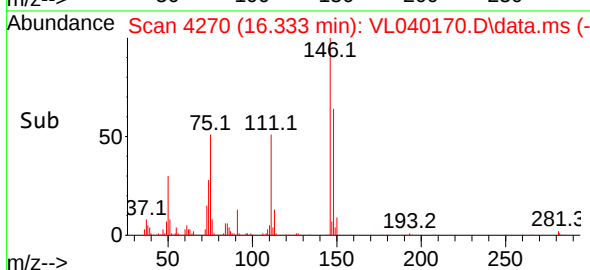
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023

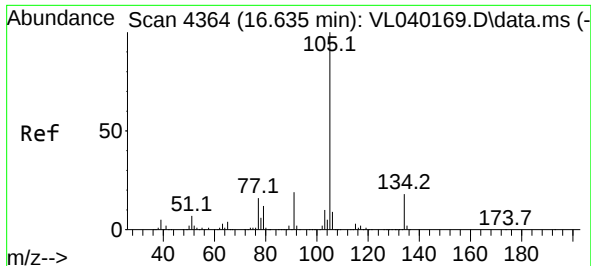


#66
Benzyl Chloride
Concen: 2.050 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. 0.007 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09



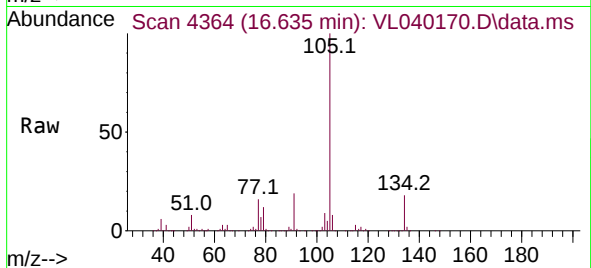
Tgt Ion: 91 Resp: 40836
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 2.507 ppbv
 RT: 16.635 min Scan# 4364
 Delta R.T. 0.000 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09

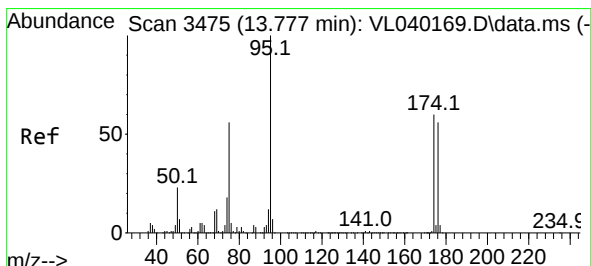
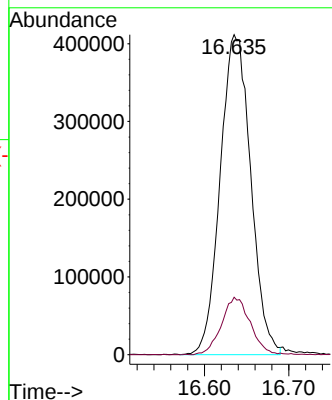
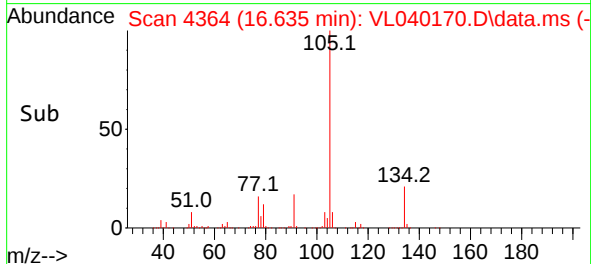
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



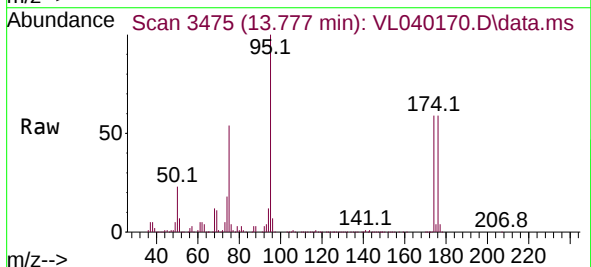
Tgt Ion: 105 Resp: 103582
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.1 21.1

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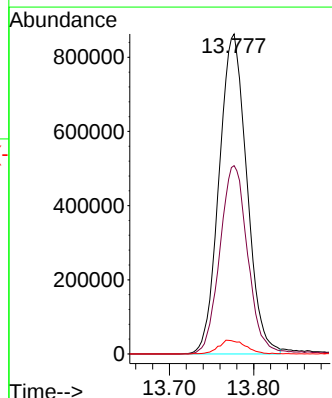
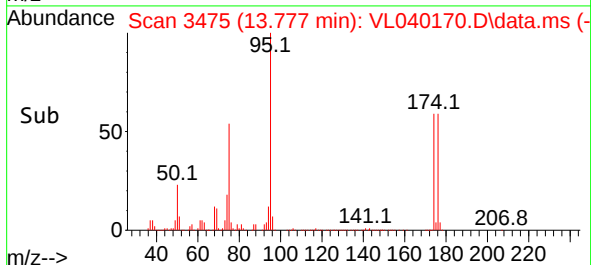
Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

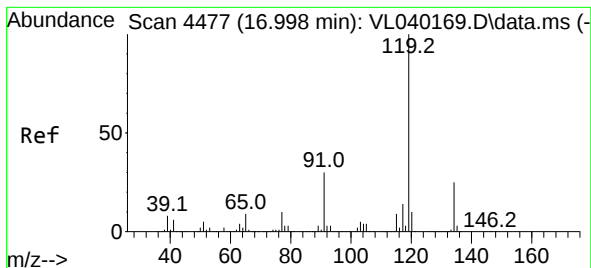


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.519 ppbv
 RT: 13.777 min Scan# 3475
 Delta R.T. 0.000 min
 Lab File: VL040170.D
 Acq: 15 Feb 2023 11:09



Tgt Ion: 95 Resp: 1965948
 Ion Ratio Lower Upper
 95 100
 174 60.0 48.2 72.2
 175 4.4 3.4 5.2





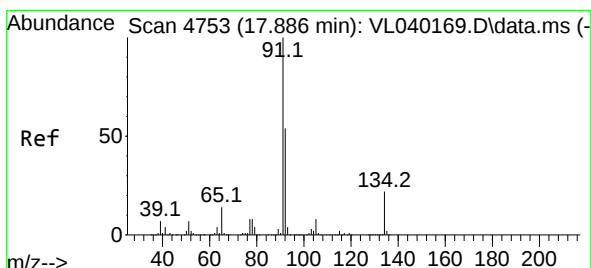
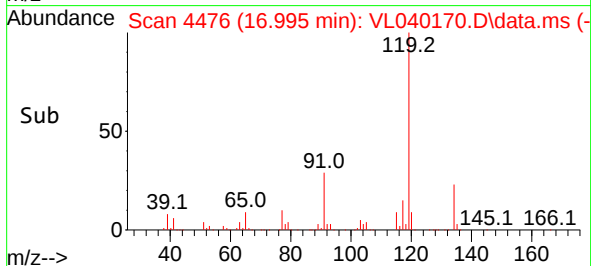
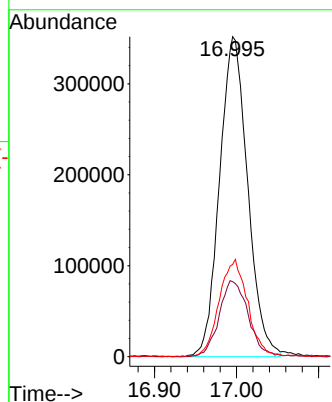
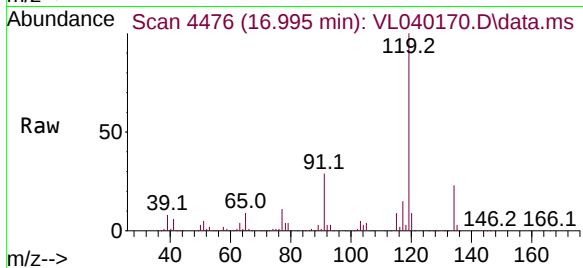
#69
p-Isopropyltoluene
Concen: 2.574 ppbv
RT: 16.995 min Scan# 4477
Delta R.T. -0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:119 Resp: 835870
Ion Ratio Lower Upper
119 100
134 24.8 20.2 30.2
91 30.9 24.7 37.1

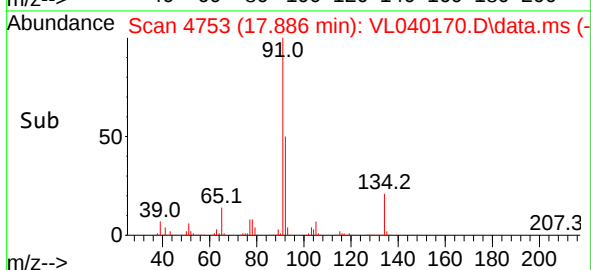
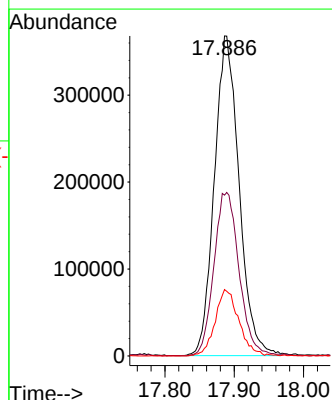
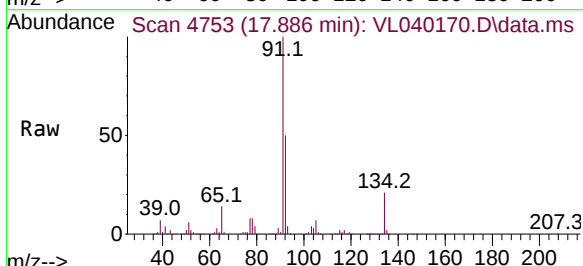
Manual Integrations
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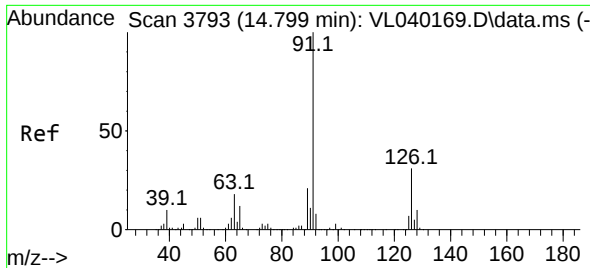
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#70
n-Butylbenzene
Concen: 2.605 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion: 91 Resp: 911996
Ion Ratio Lower Upper
91 100
92 52.2 43.0 64.6
134 20.1 16.9 25.3





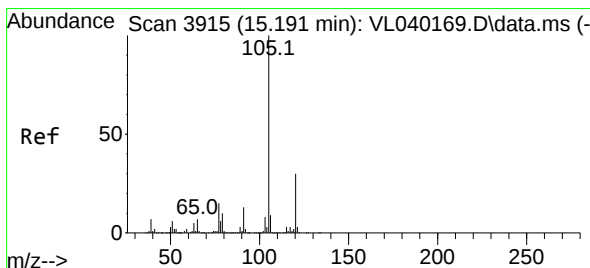
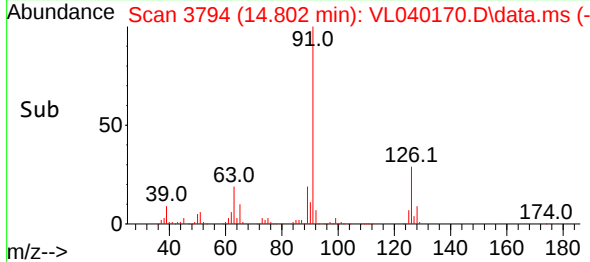
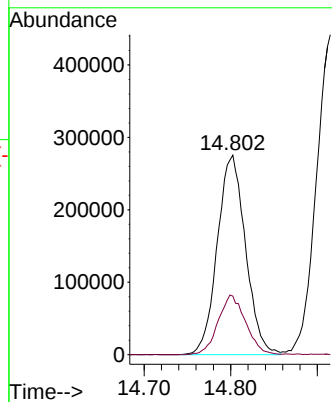
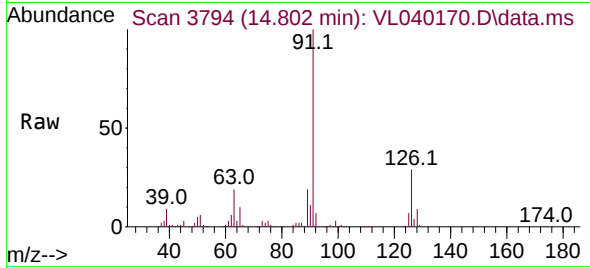
#71
2-Chlorotoluene
Concen: 2.383 ppbv
RT: 14.802 min Scan# 3793
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 624009
Ion Ratio Lower Upper
91 100
126 29.3 12.0 48.2

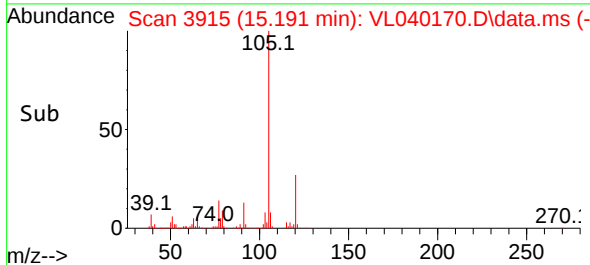
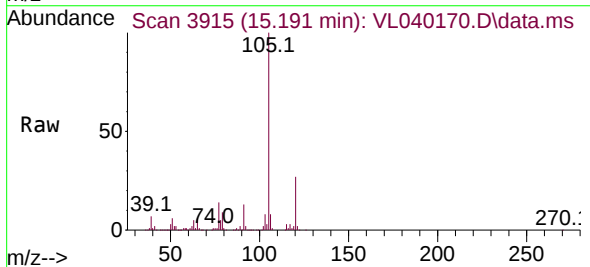
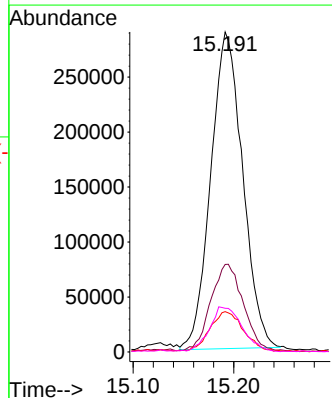
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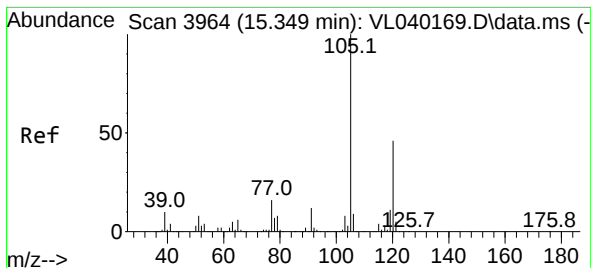
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#72
4-Ethyltoluene
Concen: 2.414 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion:105 Resp: 633992
Ion Ratio Lower Upper
105 100
120 29.7 23.2 34.8
91 13.1 11.3 16.9
77 15.1 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 2.459 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 581390

Ion Ratio Lower Upper

105 100

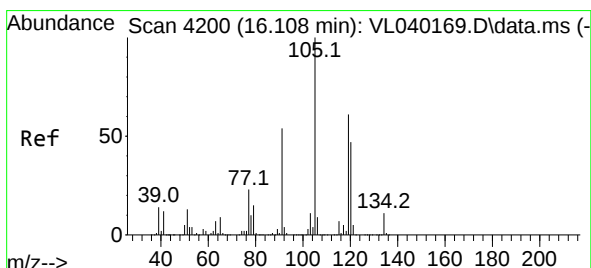
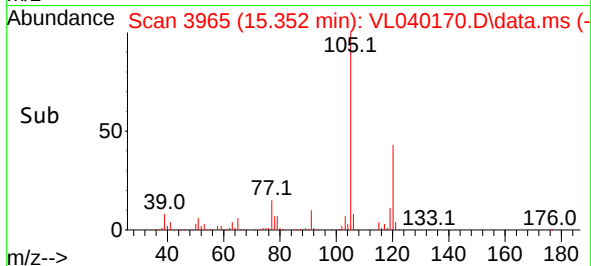
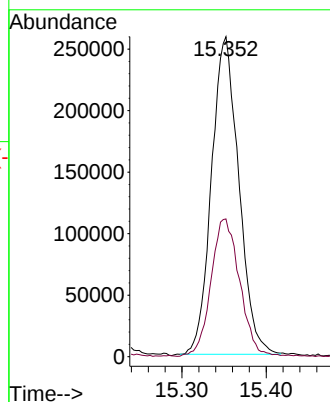
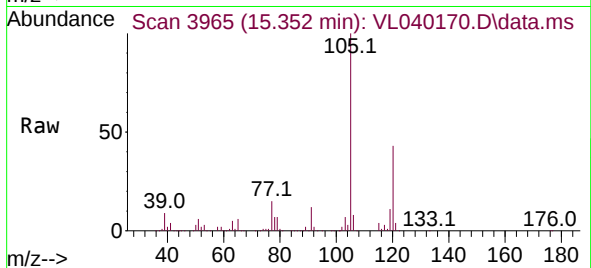
120 43.2 36.8 55.2

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Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023



#74

1,2,4-Trimethylbenzene

Concen: 2.437 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.000 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion:105 Resp: 638263

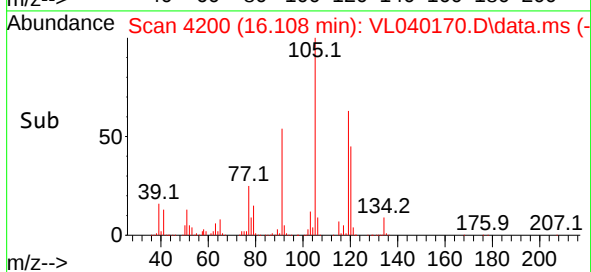
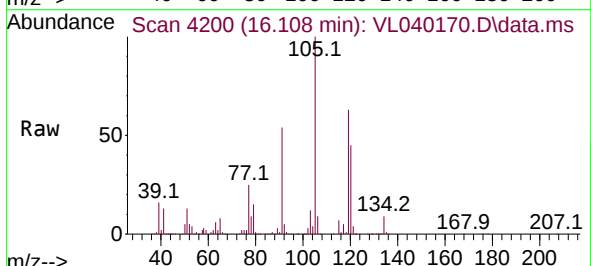
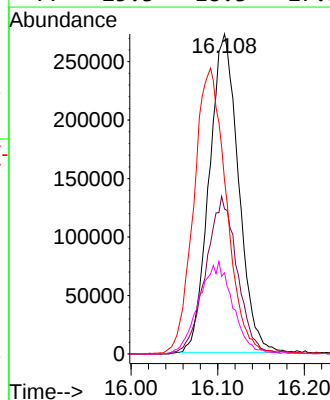
Ion Ratio Lower Upper

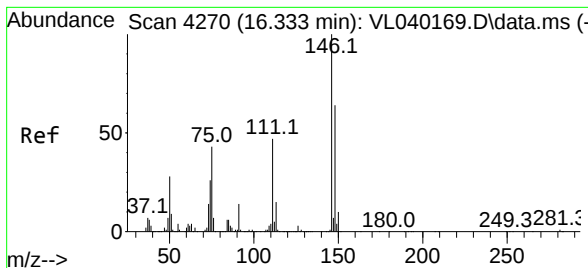
105 100

120 44.9 37.9 56.9

91 53.8 43.7 65.5

77 25.3 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 2.414 ppbv

RT: 16.330 min Scan# 4315

Delta R.T. -0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

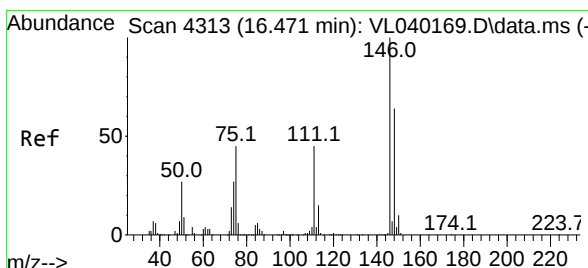
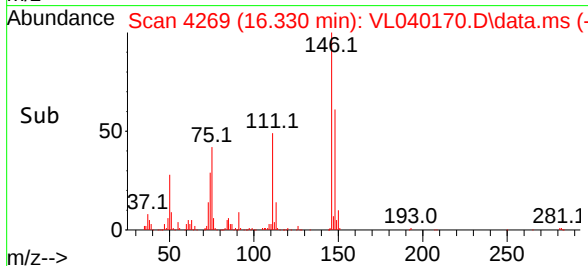
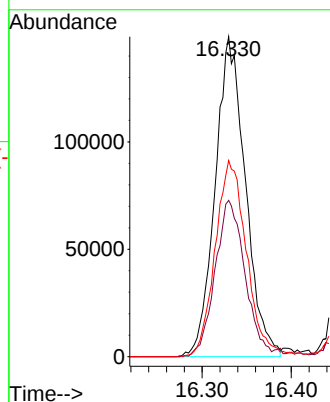
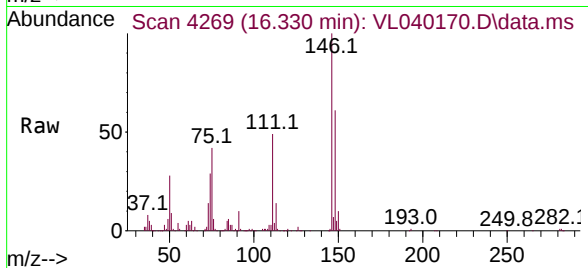
VSTDIC002

Tgt Ion:	146	Resp:	35124
Ion Ratio	Lower	Upper	
146	100		
111	49.3	23.9	71.8
148	63.3	32.1	96.5

Manual Integrations

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#76

1,4-Dichlorobenzene

Concen: 2.444 ppbv m

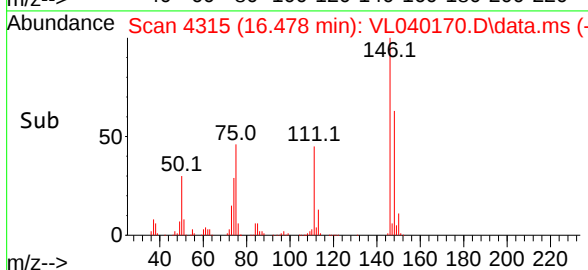
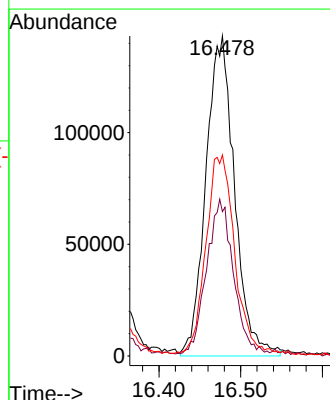
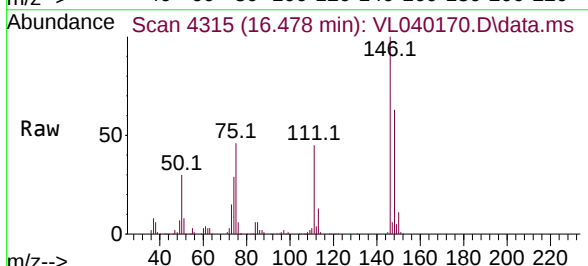
RT: 16.478 min Scan# 4315

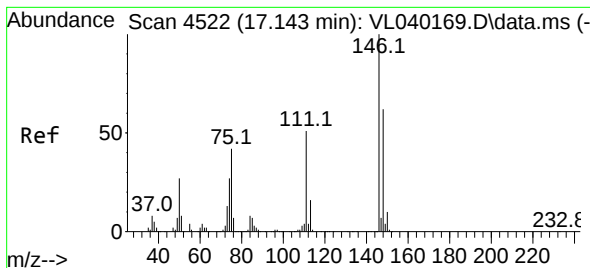
Delta R.T. 0.007 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion:	146	Resp:	349614
Ion Ratio	Lower	Upper	
146	100		
111	48.0	23.5	70.5
148	64.3	32.5	97.4





#77

1,2-Dichlorobenzene

Concen: 2.526 ppbv m

RT: 17.140 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

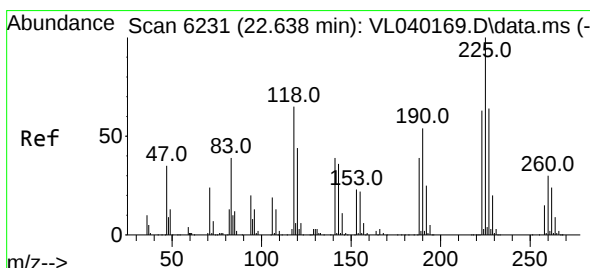
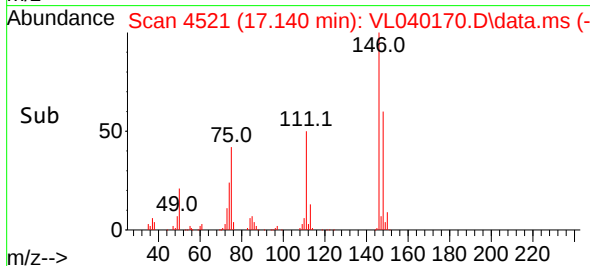
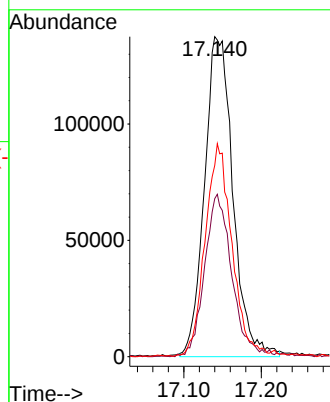
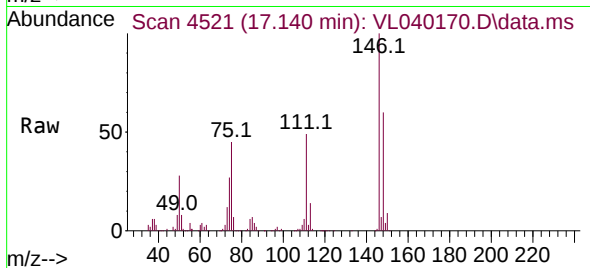
Tgt Ion:146 Resp: 351474

Ion	Ratio	Lower	Upper
146	100		
111	49.3	25.3	75.8
148	63.9	32.0	96.2

Manual Integrations

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Supervised By :Mahesh Dadoda 02/18/2023



#78

Hexachloro-1,3-Butadiene

Concen: 2.352 ppbv m

RT: 22.635 min Scan# 6230

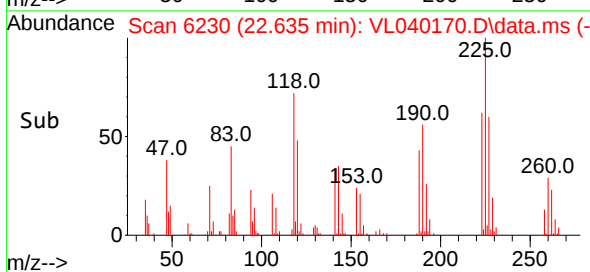
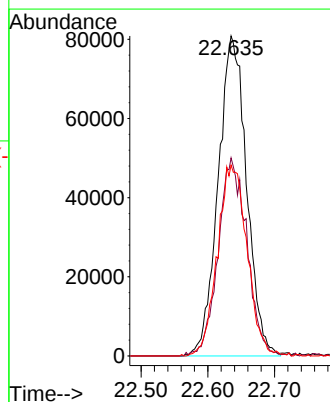
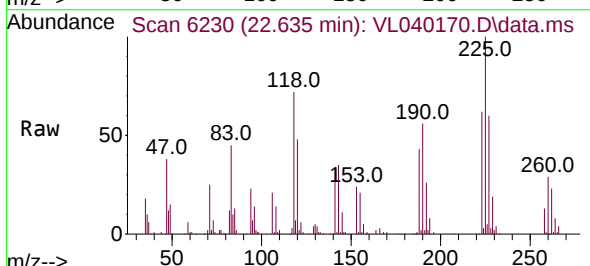
Delta R.T. -0.003 min

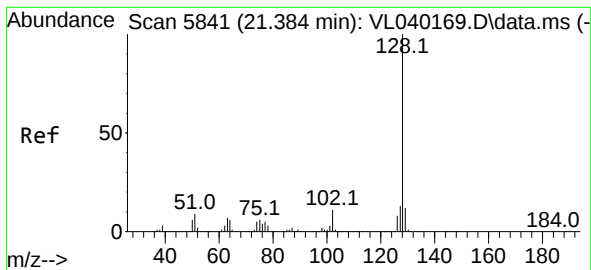
Lab File: VL040170.D

Acq: 15 Feb 2023 11:09

Tgt Ion:225 Resp: 239653

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	62.3	51.2	76.8





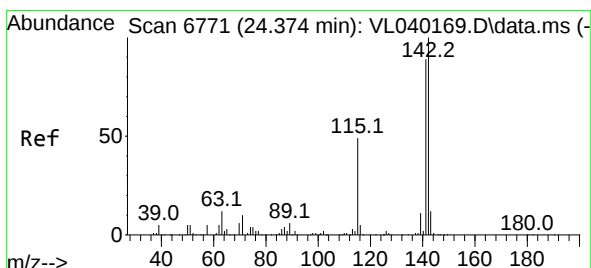
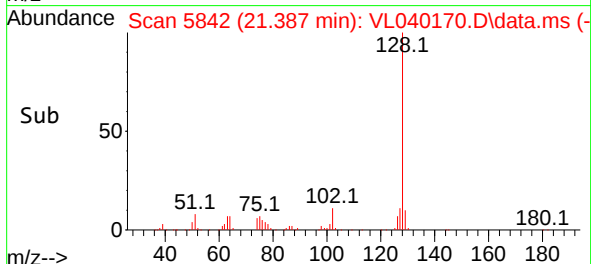
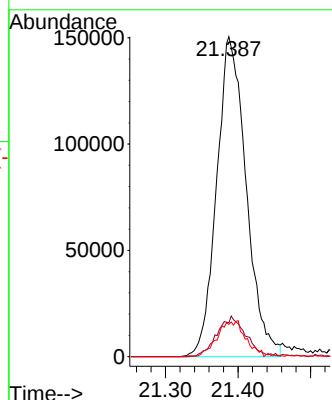
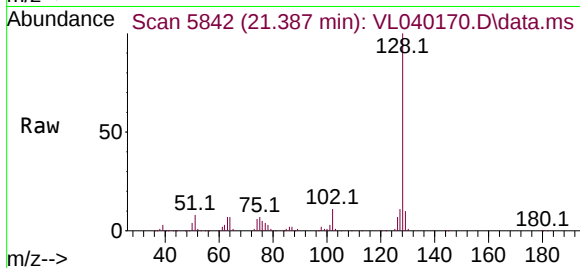
#79
Naphthalene
Concen: 2.832 ppbv
RT: 21.387 min Scan# 5841
Delta R.T. 0.003 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 424929
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.4
129 10.1 9.4 14.0

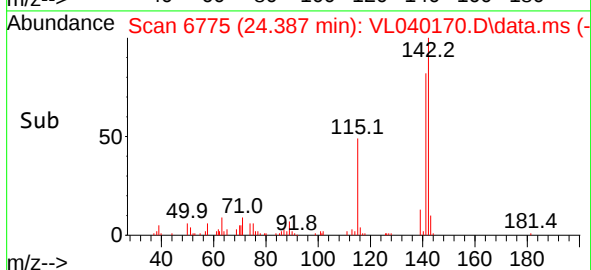
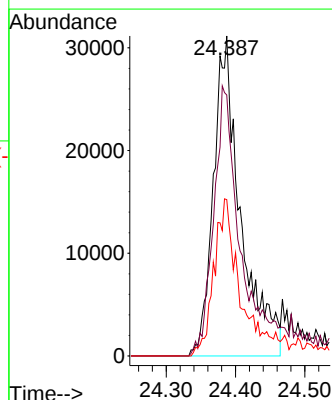
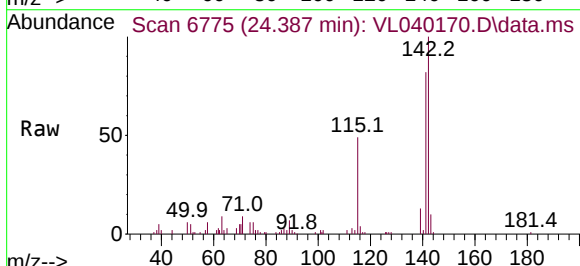
Manual Integrations
APPROVED

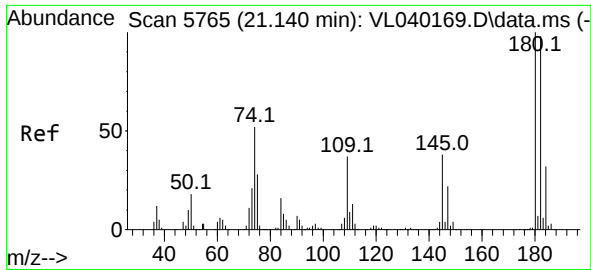
Reviewed By :Semsettin Yesilyurt 02/16/2023
Supervised By :Mahesh Dadoda 02/18/2023



#80
Naphthalene,2-methyl-
Concen: 1.681 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.013 min
Lab File: VL040170.D
Acq: 15 Feb 2023 11:09

Tgt Ion:142 Resp: 84994
Ion Ratio Lower Upper
142 100
141 89.7 67.3 100.9
115 53.0 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 2.451 ppbv

RT: 21.146 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL040170.D

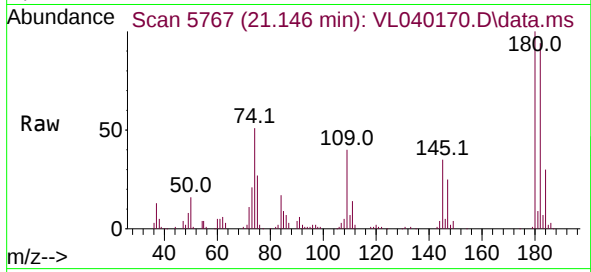
Acq: 15 Feb 2023 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 226663

Ion Ratio Lower Upper

180 100

182 100.4 79.0 118.6

184 32.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023

Supervised By :Mahesh Dadoda 02/18/2023

