

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041121.D
 Acq On : 4 Apr 2024 10:07
 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 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:15:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1479754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3830680	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3633674	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.812 95 2841341 9.760 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	516367	2.034	ppbv	100
3) Chlorodifluoromethane	2.680	51	485978	2.132	ppbv	97
4) Chloromethane	2.819	50	186683	2.164	ppbv	96
5) Vinyl Chloride	2.928	62	185325	2.248	ppbv	95
6) Bromomethane	3.131	94	66311	2.114	ppbv	89
7) Chloroethane	3.211	64	64416	2.146	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	451207	2.090	ppbv	95
9) Propene	2.700	41	158070	2.180	ppbv	96
10) Heptane	7.613	43	372517	2.164	ppbv	98
11) Trichlorofluoromethane	3.578	101	485902	2.117	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.082	101	357717	2.153	ppbv	99
13) Ethanol	3.262	45	38814m	2.298	ppbv	
14) Bromoethene	3.378	108	134856	2.061	ppbv #	93
15) Acetone	3.488	43	355302	2.218	ppbv	98
16) 1,3-Butadiene	2.996	39	167622	2.131	ppbv	94
17) tert-Butyl alcohol	3.896	59	312203	2.147	ppbv	99
18) 1,1-Dichloroethene	3.899	96	151085	2.130	ppbv	94
19) Isopropyl Alcohol	3.597	45	207129	2.104	ppbv	98
20) Methylene Chloride	3.951	84	133970	2.027	ppbv	91
21) Allyl Chloride	4.015	41	207093	2.121	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	153178	2.071	ppbv	94
23) Vinyl Acetate	4.648	43	350578	2.109	ppbv #	96
24) 1,1-Dichloroethane	4.584	63	322182	2.163	ppbv	98
25) Ethyl Acetate	5.230	43	666392	2.215	ppbv	99
26) Hexane	5.237	57	302451	2.240	ppbv	98
27) Carbon Disulfide	4.143	76	358031	2.184	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	230657	2.264	ppbv	99
29) Chloroform	5.295	83	478511	2.102	ppbv	99
30) Cyclohexane	6.632	84	242430m	2.232	ppbv	
31) cis-1,2-Dichloroethene	5.102	61	280881	2.198	ppbv	95
32) 1,1,1-Trichloroethane	6.031	97	477269	2.268	ppbv	99
34) 2-Butanone	4.812	43	346983	2.097	ppbv	98
35) Carbon Tetrachloride	6.520	117	490992	2.246	ppbv	97
36) Benzene	6.401	78	606338	2.158	ppbv	98
37) 1,2-Dichloroethane	5.832	62	352640	2.088	ppbv	100
38) Trichloroethene	7.320	130	218036	2.138	ppbv	97
39) 1,2-Dichloropropane	7.098	63	234013m	2.098	ppbv	
40) 1,4-Dioxane	7.336	88	91561m	2.395	ppbv	
41) Tetrahydrofuran	5.587	42	230792	2.181	ppbv	99
42) Bromodichloromethane	7.278	83	522696	2.166	ppbv	98
43) Methyl Methacrylate	7.503	69	236337m	2.421	ppbv	
44) 2,2,4-Trimethylpentane	7.356	57	1039313	2.232	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	126972	2.018	ppbv	95

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 APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

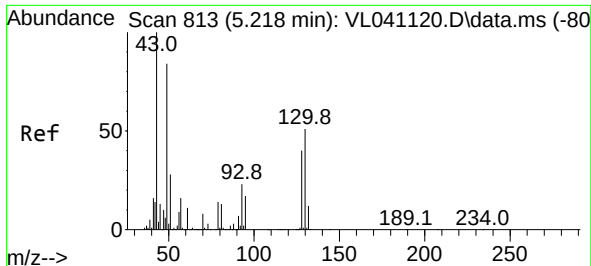
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

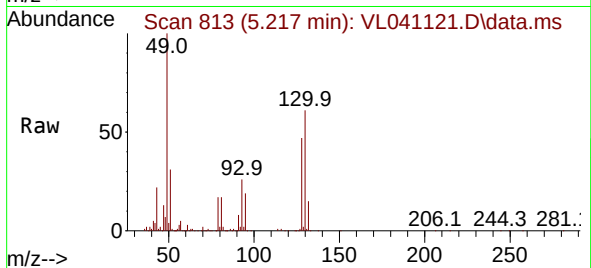
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	162555	2.030	ppbv	96
47) 1,1,2-Trichloroethane	8.928	97	252907m	2.109	ppbv	
48) Dibromochloromethane	9.745	129	400397	2.104	ppbv	98
49) Bromoform	12.442	173	322203	2.136	ppbv	99
50) 4-Methyl-2-Pentanone	8.220	43	618053	2.177	ppbv	100
51) 2-Hexanone	9.597	43	430763	2.188	ppbv #	100
52) Tetrachloroethene	10.651	164	196457	2.181	ppbv	97
53) Toluene	9.253	91	653702	2.199	ppbv	98
54) 1,2-Dibromoethane	10.040	107	330691	2.213	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	314830	2.118	ppbv #	1
57) Chlorobenzene	11.558	112	518854	2.110	ppbv	99
58) Ethyl Benzene	12.124	91	869884	2.198	ppbv	97
59) m/p-Xylene	12.407	91	1574139m	4.401	ppbv	
60) o-Xylene	13.092	91	757370	2.226	ppbv	97
61) Styrene	12.934	104	322954	2.145	ppbv	97
62) Isopropylbenzene	14.063	105	1101011	2.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.085	83	580875	2.164	ppbv	100
64) n-propylbenzene	14.953	120	274321	2.170	ppbv	88
65) tert-Butylbenzene	16.127	119	984874	2.233	ppbv	96
66) Benzyl Chloride	16.365	91	55855m	1.921	ppbv	
67) sec-Butylbenzene	16.674	105	1431601	2.251	ppbv	98
69) p-Isopropyltoluene	17.034	119	1128286	2.275	ppbv	98
70) n-Butylbenzene	17.921	91	1234287	2.285	ppbv	98
71) 2-Chlorotoluene	14.838	91	847772	2.192	ppbv	97
72) 4-Ethyltoluene	15.230	105	816714	2.176	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	732660	2.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	852802	2.217	ppbv #	91
75) 1,3-Dichlorobenzene	16.368	146	485446	2.175	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	458380	2.108	ppbv	98
77) 1,2-Dichlorobenzene	17.178	146	484152m	2.231	ppbv	
78) Hexachloro-1,3-Butadiene	22.673	225	317937m	2.207	ppbv	
79) Naphthalene	21.432	128	602941	2.495	ppbv	99
80) Naphthalene,2-methyl-	24.416	142	98868	2.334	ppbv	91
81) 1,2,4-Trichlorobenzene	21.181	180	301737m	2.167	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.001 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

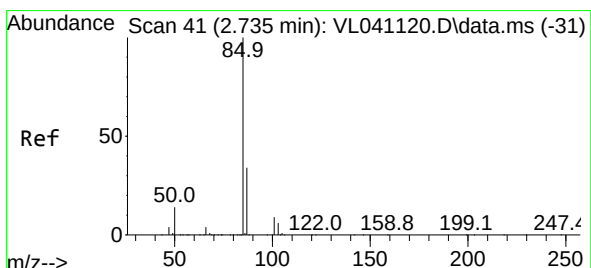
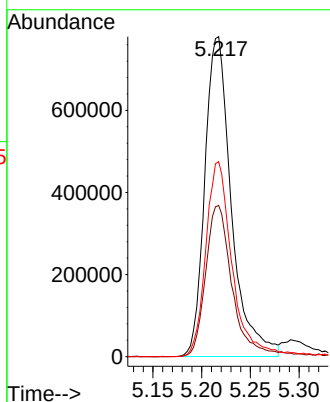
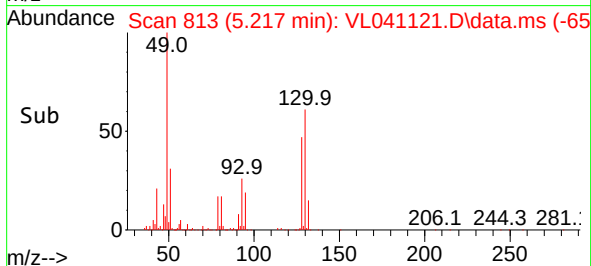
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 1479754
Ion Ratio Lower Upper
49 100
128 48.6 23.6 71.0
130 62.0 30.1 90.5

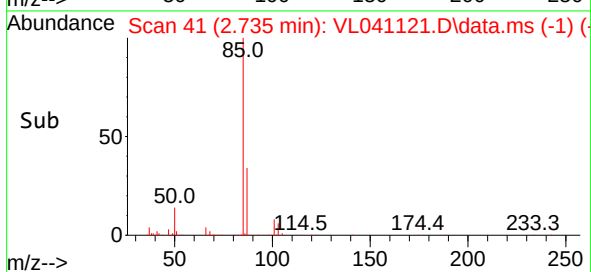
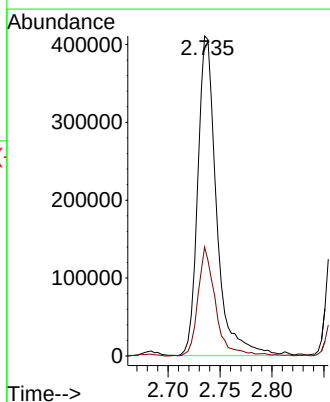
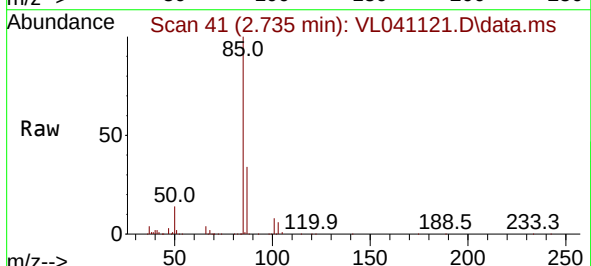
Manual Integrations
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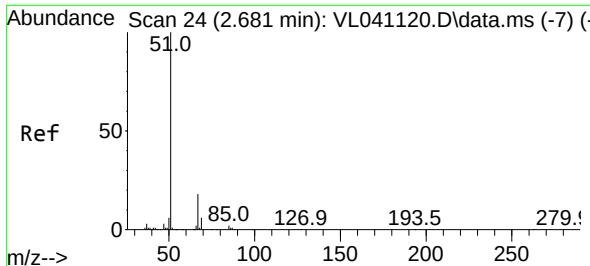
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#2
Dichlorodifluoromethane
Concen: 2.034 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

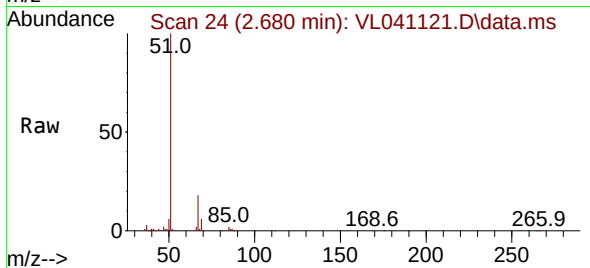
Tgt Ion: 85 Resp: 516367
Ion Ratio Lower Upper
85 100
87 34.1 27.0 40.6





#3
Chlorodifluoromethane
Concen: 2.132 ppbv
RT: 2.680 min Scan# 24
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

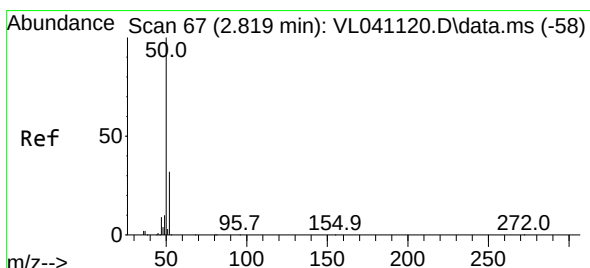
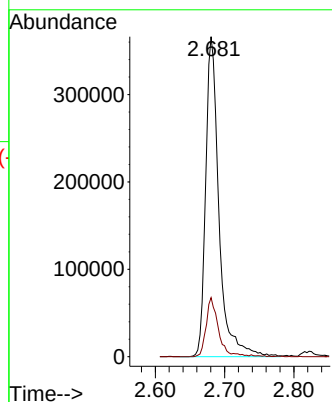
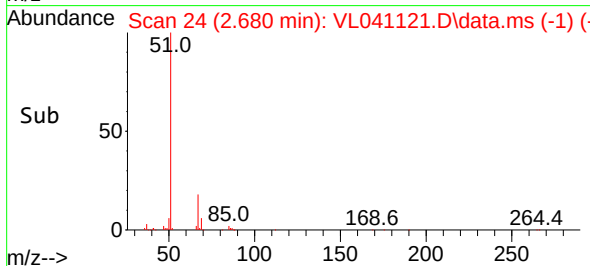
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 51 Resp: 485978
Ion Ratio Lower Upper
51 100
67 17.5 14.9 22.3

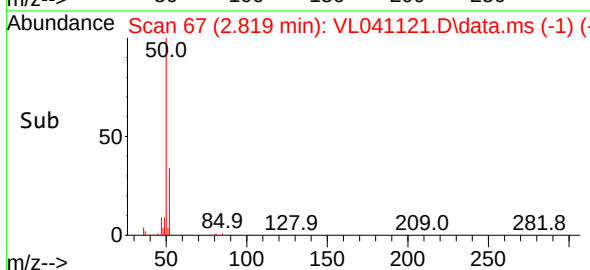
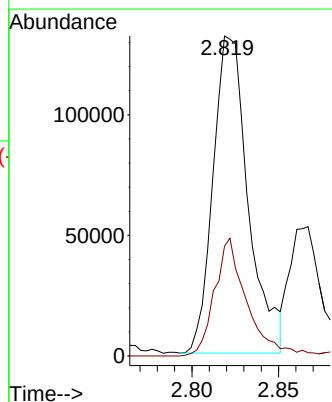
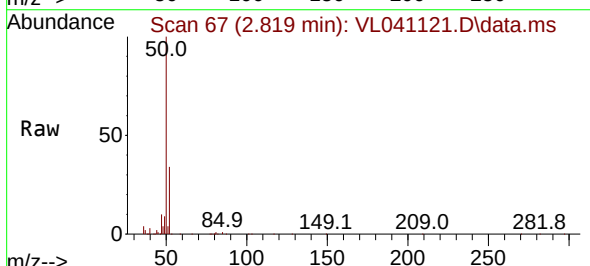
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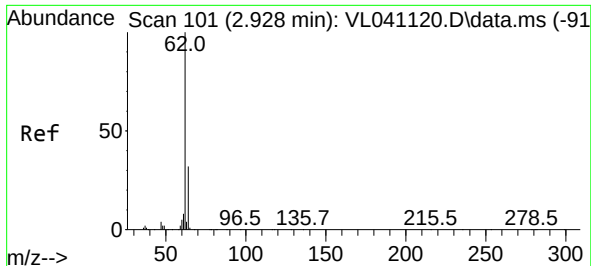
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#4
Chloromethane
Concen: 2.164 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

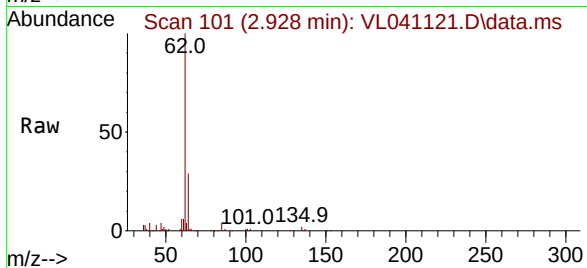
Tgt Ion: 50 Resp: 186683
Ion Ratio Lower Upper
50 100
52 34.6 26.0 39.0





#5
 Vinyl Chloride
 Concen: 2.248 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

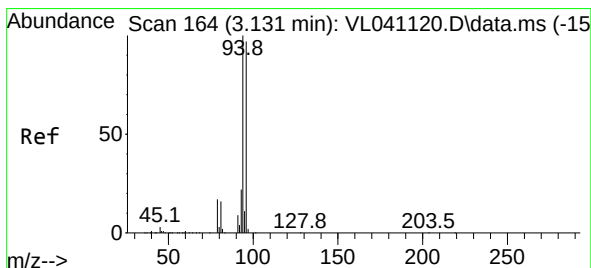
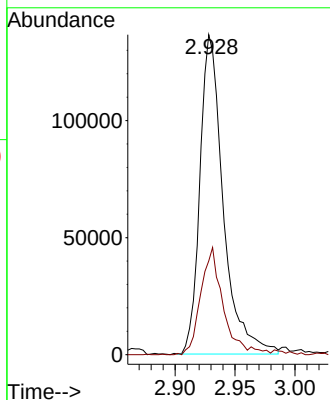
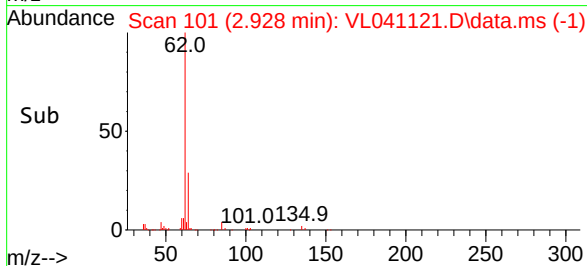
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 62 Resp: 185329
 Ion Ratio Lower Upper
 62 100
 64 28.9 25.6 38.4

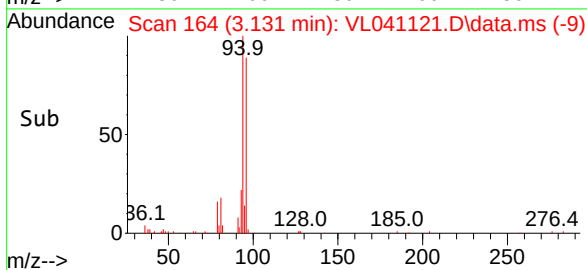
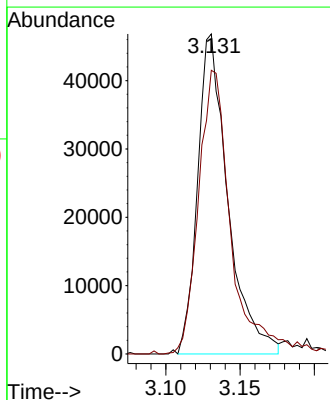
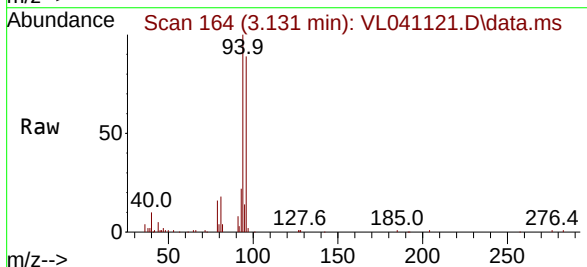
Manual Integrations
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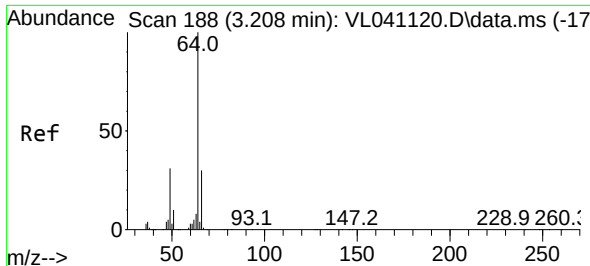
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024



#6
 Bromomethane
 Concen: 2.114 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

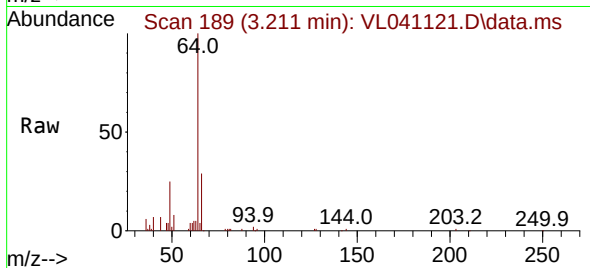
Tgt Ion: 94 Resp: 66311
 Ion Ratio Lower Upper
 94 100
 96 86.7 77.9 116.9





#7
Chloroethane
Concen: 2.146 ppbv
RT: 3.211 min Scan# 189
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

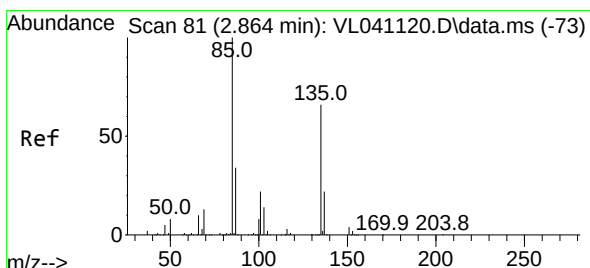
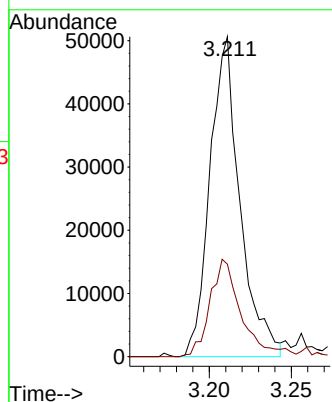
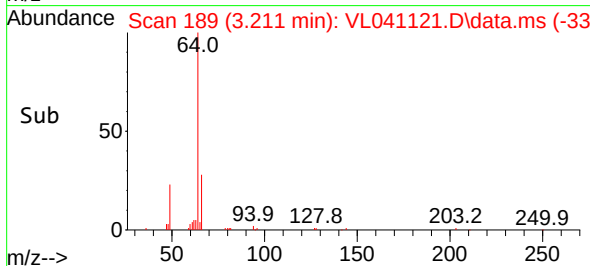
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 64410
Ion Ratio Lower Upper
64 100
66 28.9 24.2 36.4

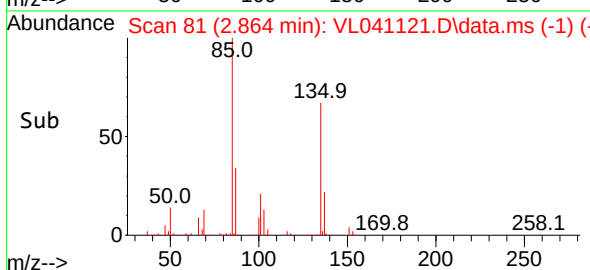
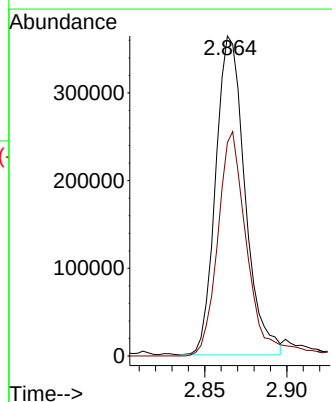
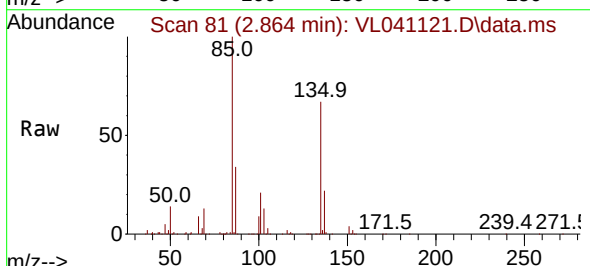
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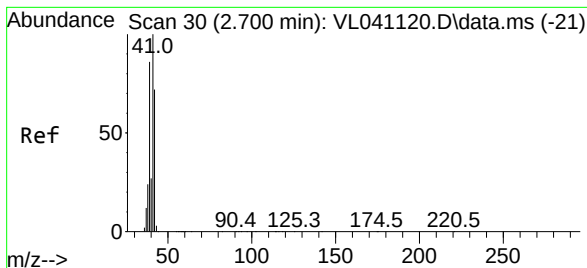
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#8
Dichlorotetrafluoroethane
Concen: 2.090 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 85 Resp: 451207
Ion Ratio Lower Upper
85 100
135 72.0 54.2 81.2





#9

Propene

Concen: 2.180 ppbv

RT: 2.700 min Scan# 30

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 158070

Ion Ratio Lower Upper

41 100

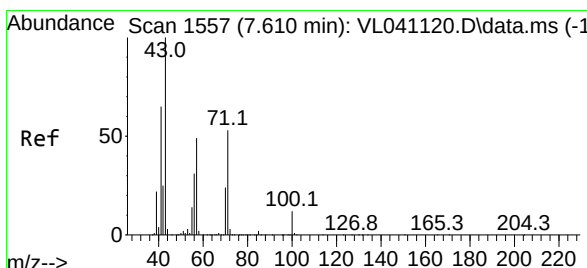
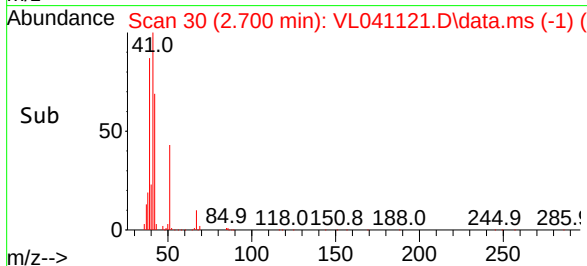
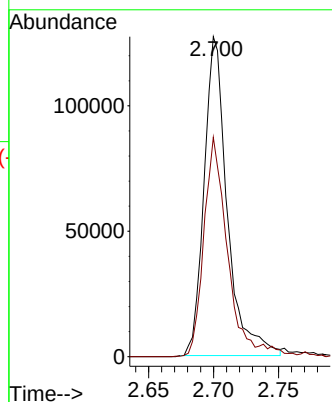
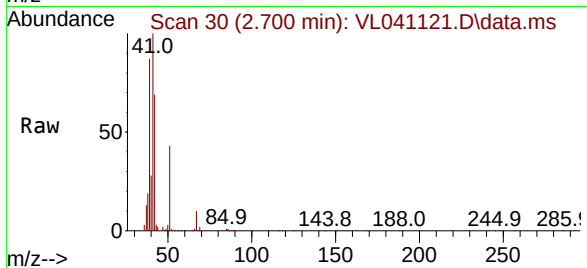
42 71.9 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#10

Heptane

Concen: 2.164 ppbv

RT: 7.613 min Scan# 1558

Delta R.T. 0.003 min

Lab File: VL041121.D

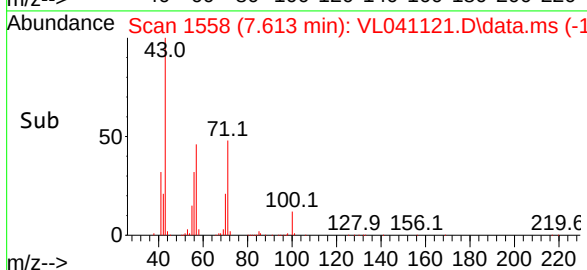
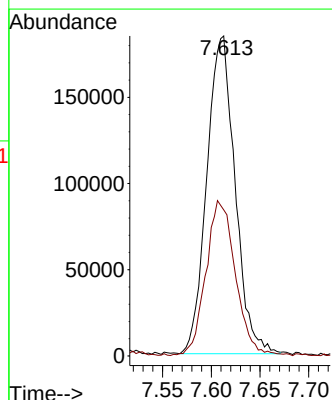
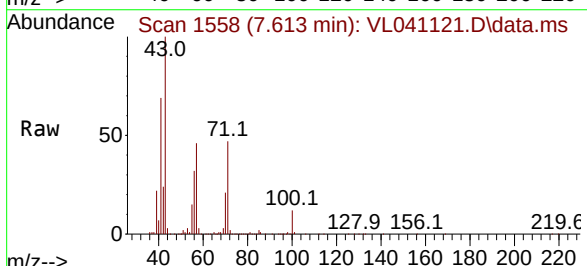
Acq: 4 Apr 2024 10:07

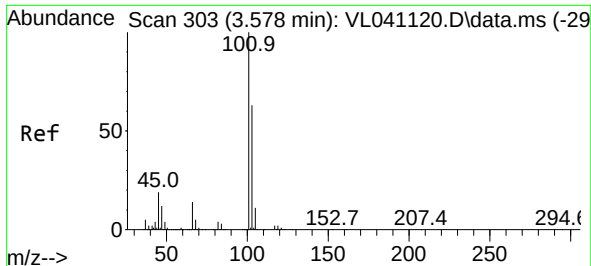
Tgt Ion: 43 Resp: 372517

Ion Ratio Lower Upper

43 100

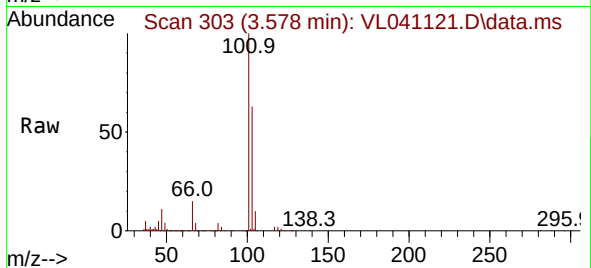
57 51.4 39.9 59.9





#11
Trichlorofluoromethane
Concen: 2.117 ppbv
RT: 3.578 min Scan# 303
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

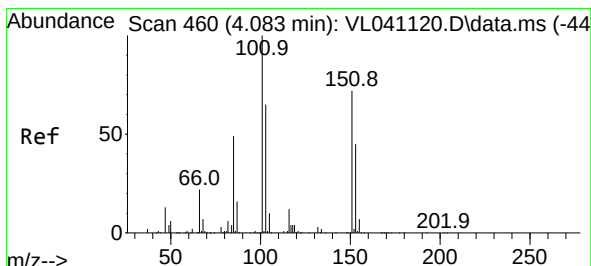
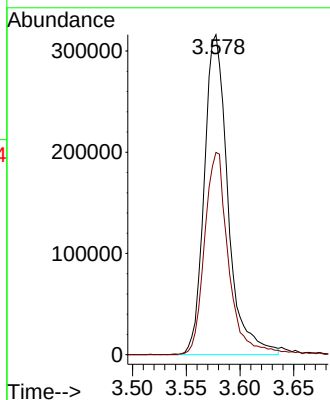
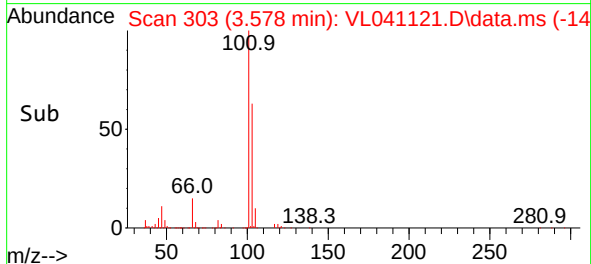
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:101 Resp: 485902
Ion Ratio Lower Upper
101 100
103 63.1 50.6 75.8

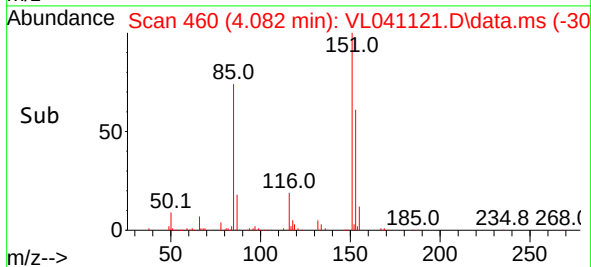
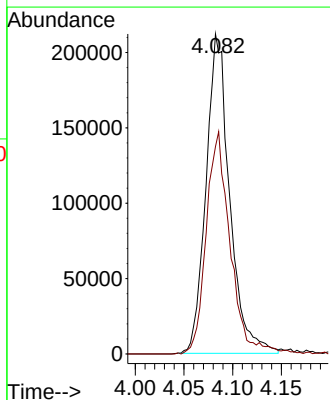
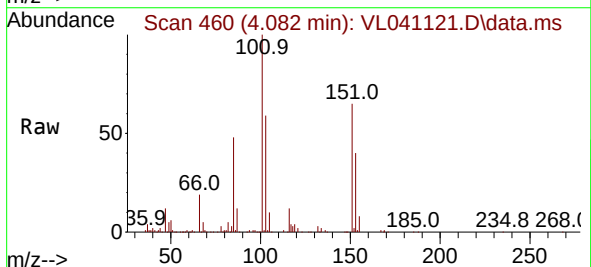
Manual Integrations
APPROVED

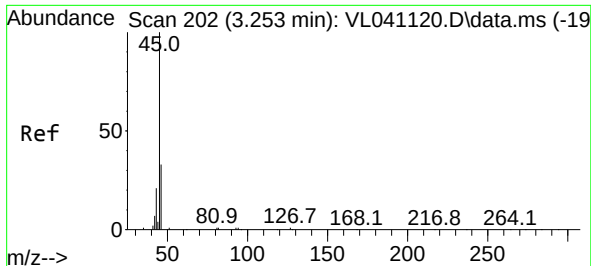
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.153 ppbv
RT: 4.082 min Scan# 460
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

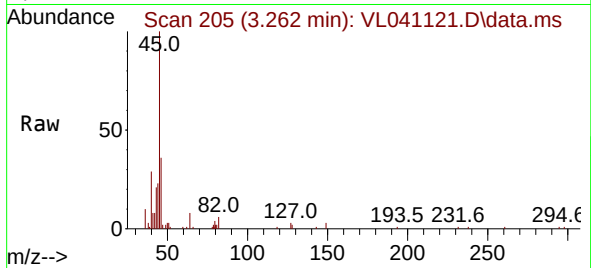
Tgt Ion:101 Resp: 357717
Ion Ratio Lower Upper
101 100
151 71.1 56.2 84.4





#13
Ethanol
Concen: 2.298 ppbv m
RT: 3.262 min Scan# 205
Delta R.T. 0.009 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

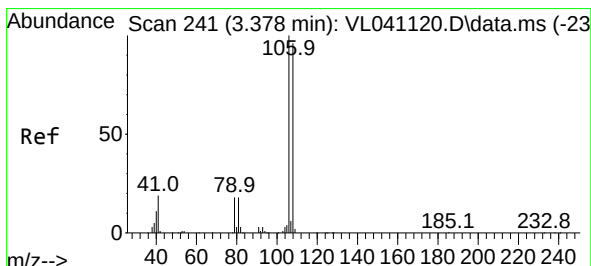
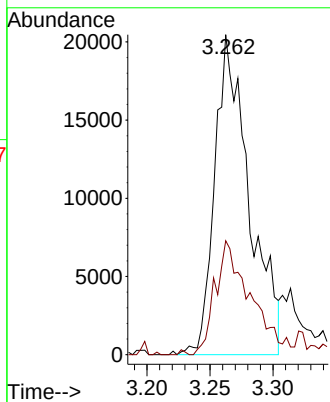
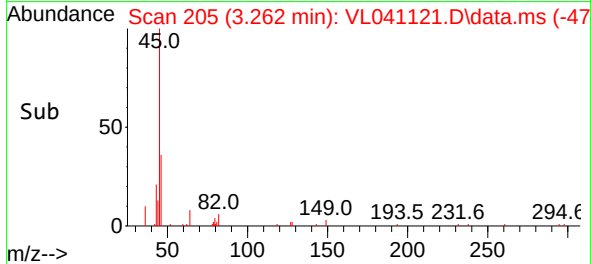
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 45 Resp: 38814
Ion Ratio Lower Upper
45 100
46 41.3 15.0 59.8

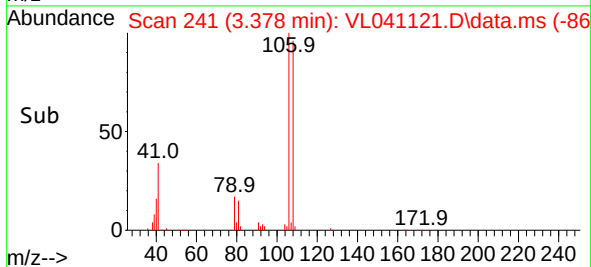
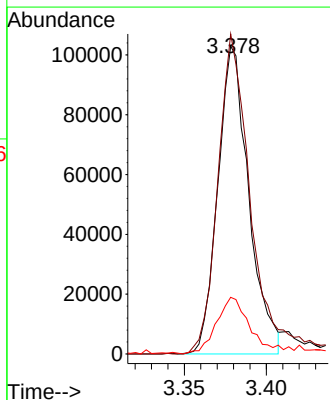
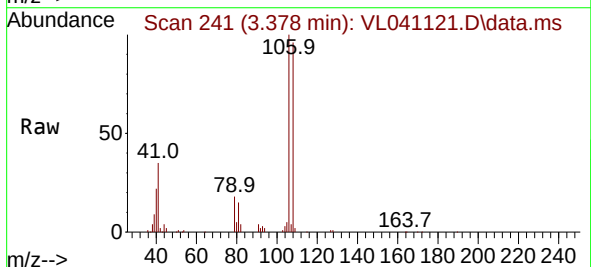
Manual Integrations
APPROVED

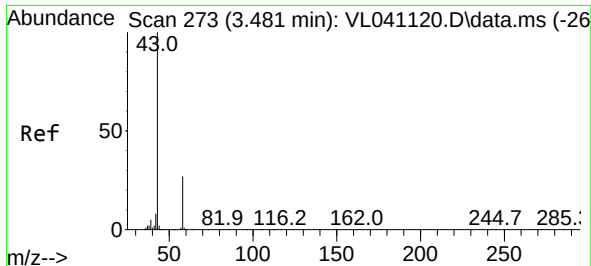
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#14
Bromoethene
Concen: 2.061 ppbv
RT: 3.378 min Scan# 241
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

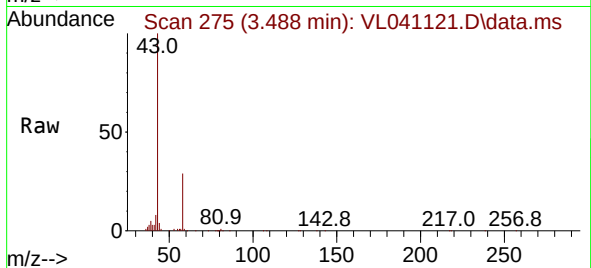
Tgt Ion:108 Resp: 134856
Ion Ratio Lower Upper
108 100
106 113.8 86.0 129.0
79 23.7 15.4 23.2#





#15
Acetone
Concen: 2.218 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

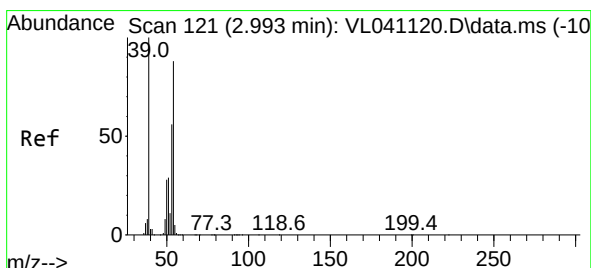
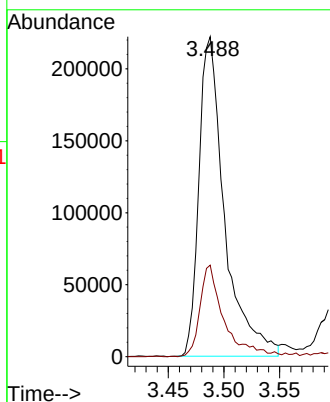
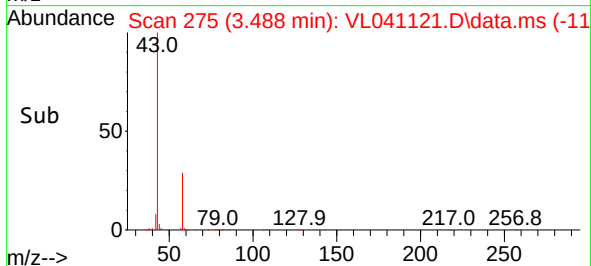
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



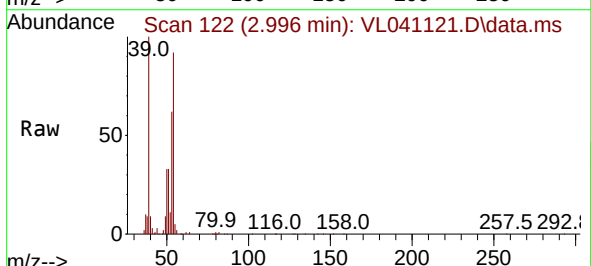
Tgt Ion: 43 Resp: 355302
Ion Ratio Lower Upper
43 100
58 27.3 21.1 31.7

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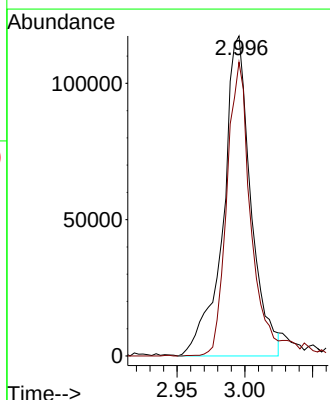
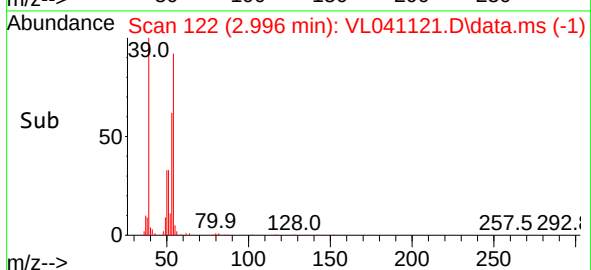
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

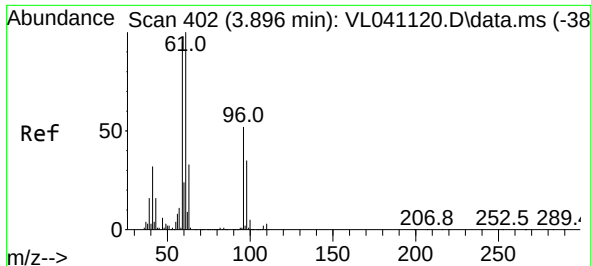


#16
1,3-Butadiene
Concen: 2.131 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



Tgt Ion: 39 Resp: 167622
Ion Ratio Lower Upper
39 100
54 84.3 63.5 95.3





#17

tert-Butyl alcohol

Concen: 2.147 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 31220

Ion Ratio Lower Upper

59 100

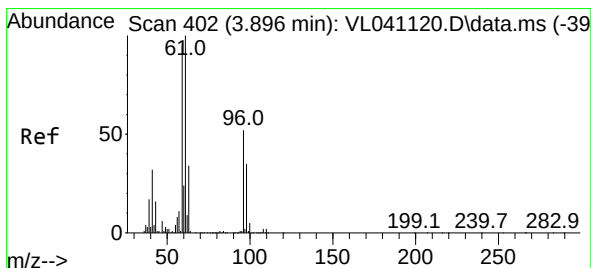
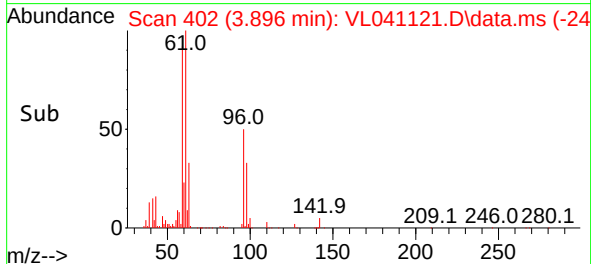
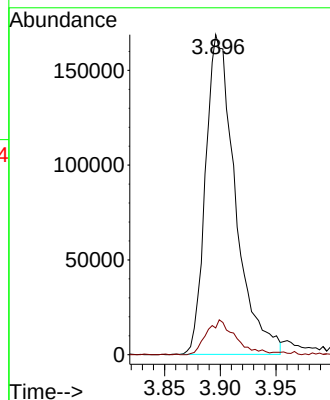
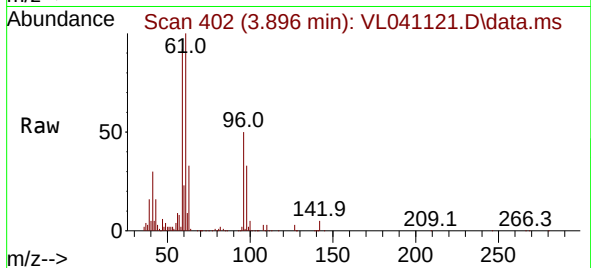
57 11.3 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#18

1,1-Dichloroethene

Concen: 2.130 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

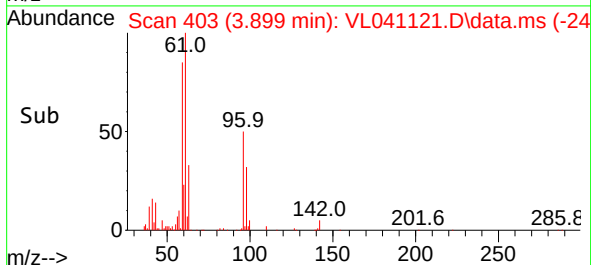
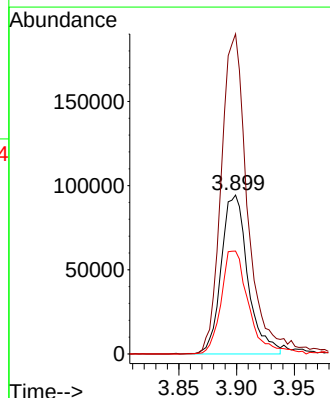
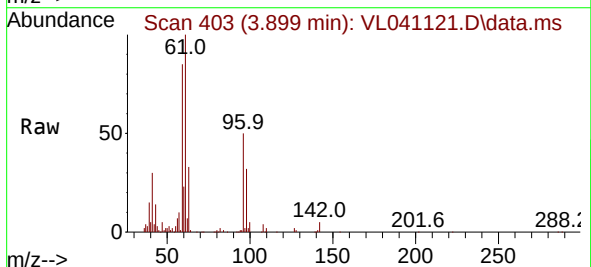
Tgt Ion: 96 Resp: 151085

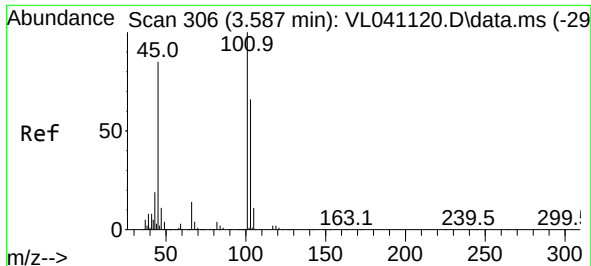
Ion Ratio Lower Upper

96 100

61 201.4 152.6 228.8

98 64.7 54.0 81.0





#19

Isopropyl Alcohol

Concen: 2.104 ppbv

RT: 3.597 min Scan# 306

Delta R.T. 0.009 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 45 Resp: 207129

Ion Ratio Lower Upper

45 100

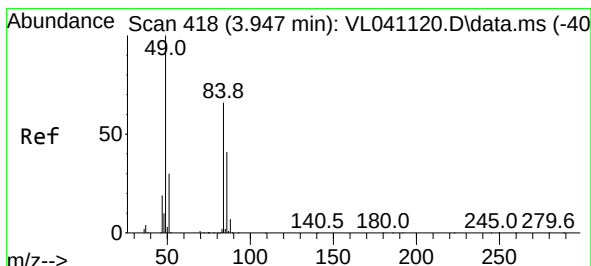
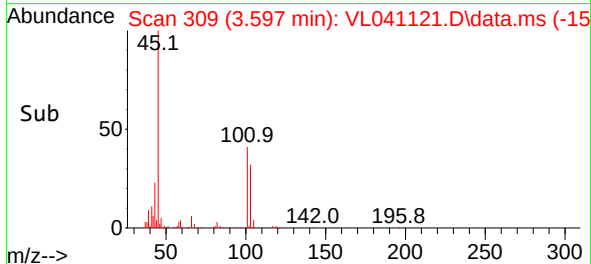
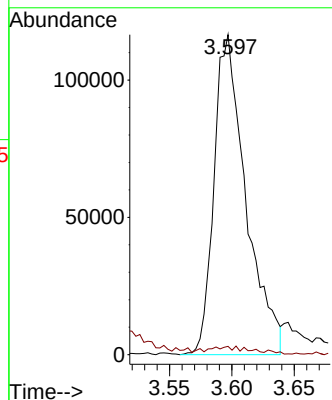
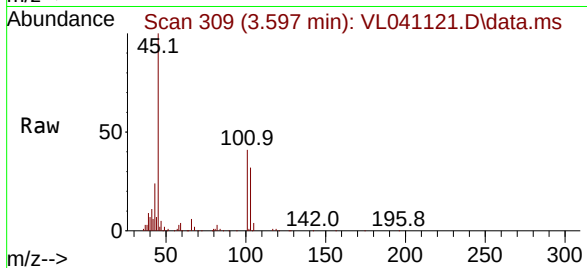
58 4.1 2.8 4.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#20

Methylene Chloride

Concen: 2.027 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion: 84 Resp: 133970

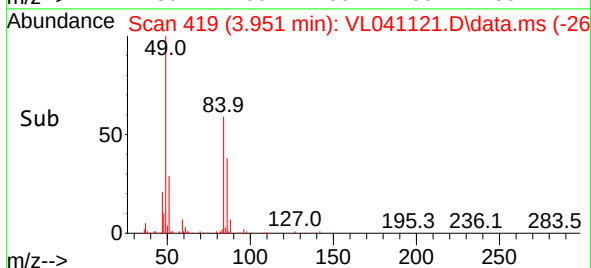
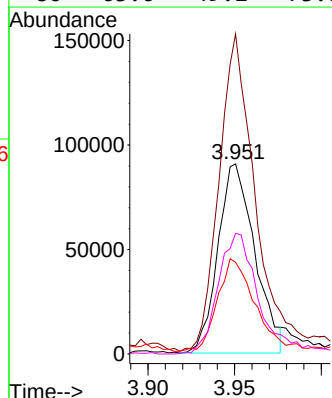
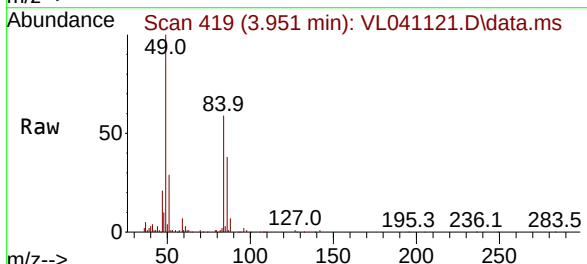
Ion Ratio Lower Upper

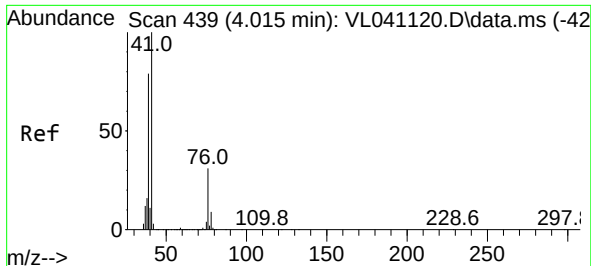
84 100

49 167.8 120.7 181.1

51 47.1 36.6 54.8

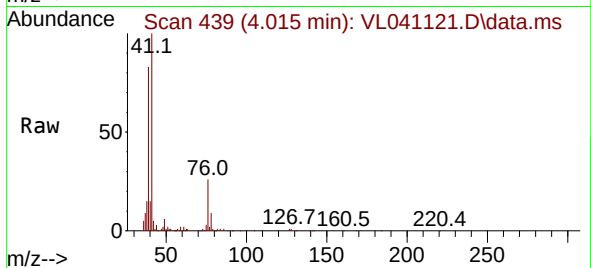
86 63.6 49.2 73.8





#21
 Allyl Chloride
 Concen: 2.121 ppbv
 RT: 4.015 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

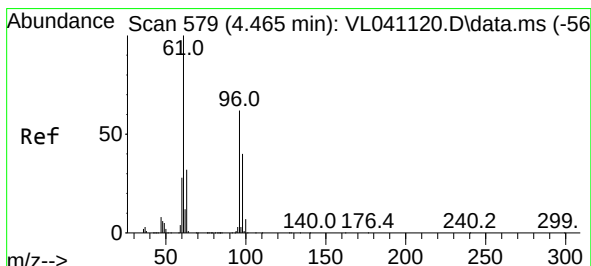
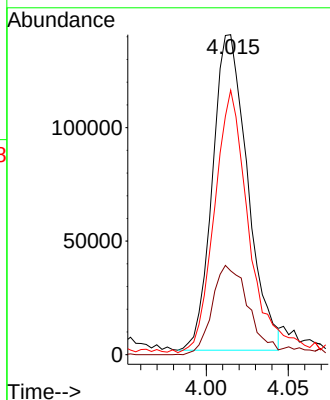
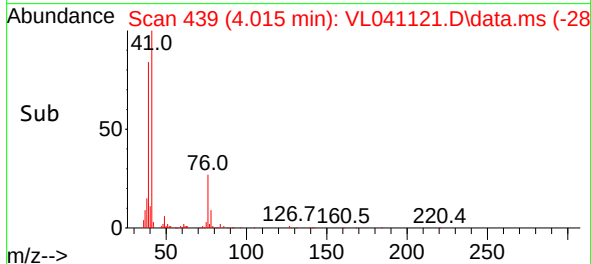
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



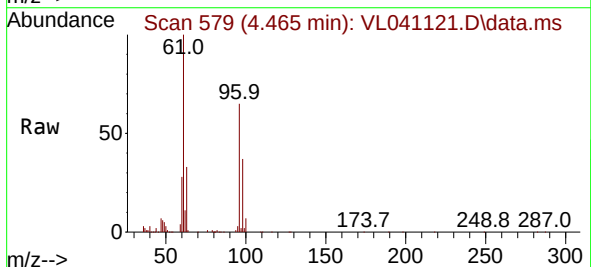
Tgt Ion: 41 Resp: 20709
 Ion Ratio Lower Upper
 41 100
 76 31.5 25.7 38.5
 39 83.1 65.7 98.5

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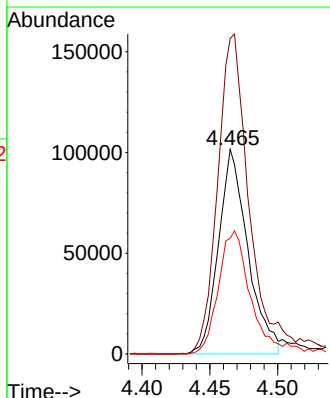
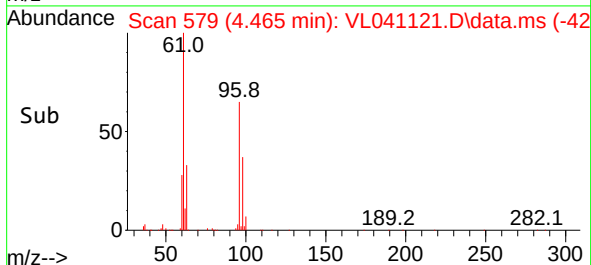
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

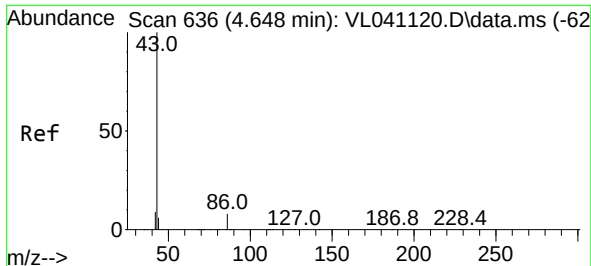


#22
 trans-1,2-Dichloroethene
 Concen: 2.071 ppbv
 RT: 4.465 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07



Tgt Ion: 96 Resp: 153178
 Ion Ratio Lower Upper
 96 100
 61 154.2 128.4 192.6
 98 56.5 51.5 77.3





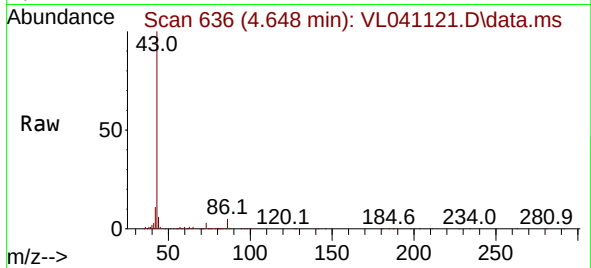
#23
 Vinyl Acetate
 Concen: 2.109 ppbv
 RT: 4.648 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

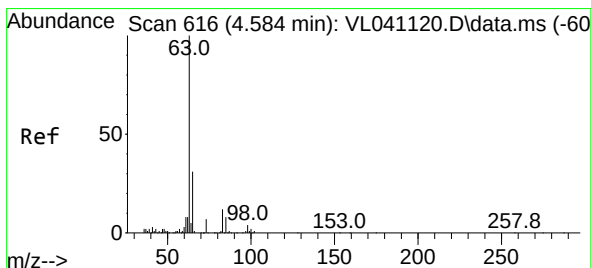
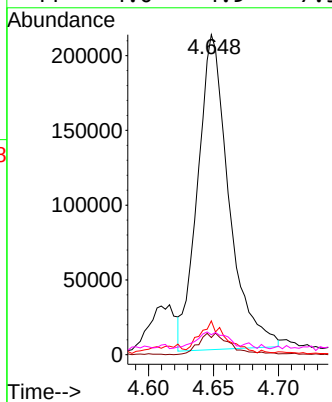
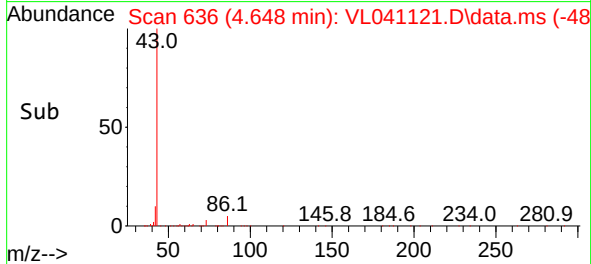


Tgt Ion: 43 Resp: 350578
 Ion Ratio Lower Upper
 43 100
 86 5.5 6.2 9.4
 42 10.1 7.7 11.5
 44 4.0 4.9 7.3#

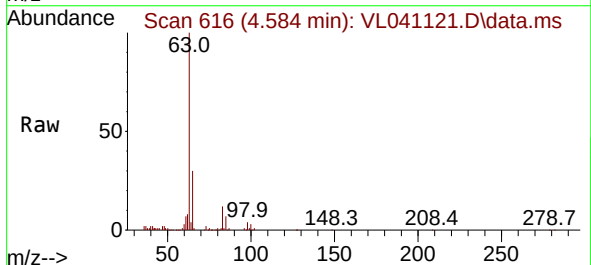
Manual Integrations

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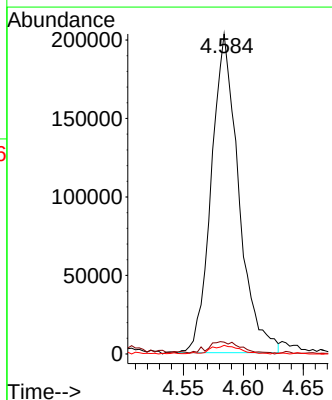
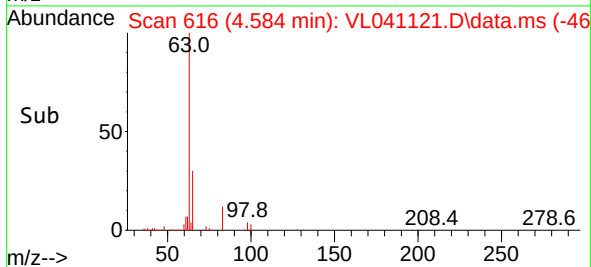
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

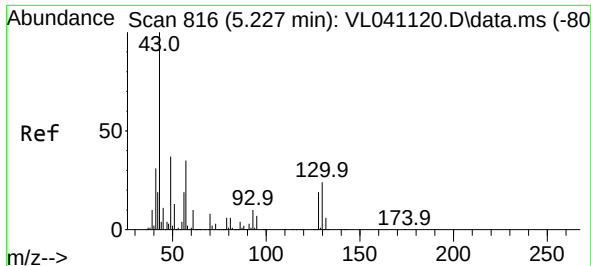


#24
 1,1-Dichloroethane
 Concen: 2.163 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07



Tgt Ion: 63 Resp: 322182
 Ion Ratio Lower Upper
 63 100
 98 3.5 2.1 6.3
 100 2.9 1.1 3.3





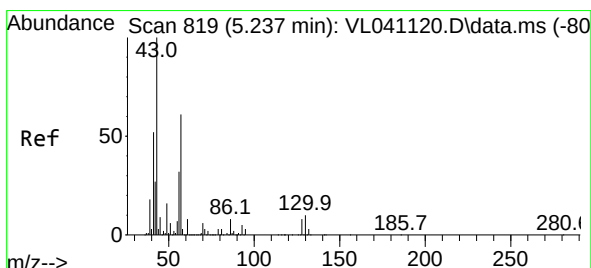
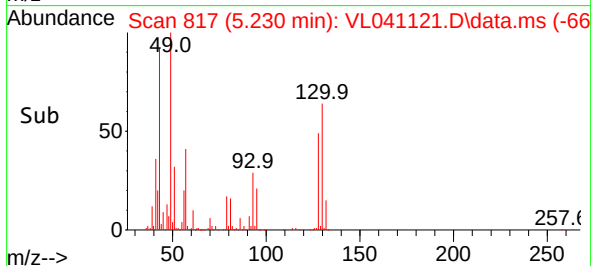
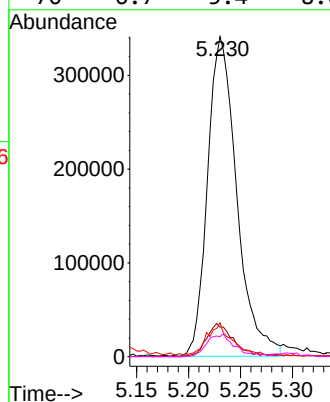
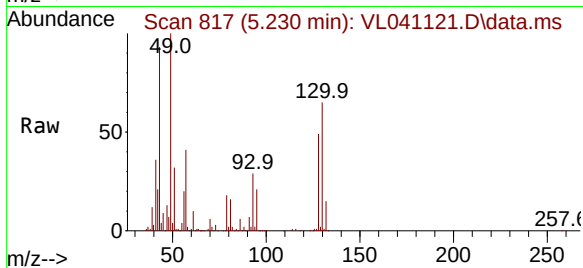
#25
Ethyl Acetate
Concen: 2.215 ppbv
RT: 5.230 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 666392
Ion Ratio Lower Upper
43 100
45 10.3 8.0 12.0
61 10.4 7.8 11.6
70 6.7 5.4 8.0

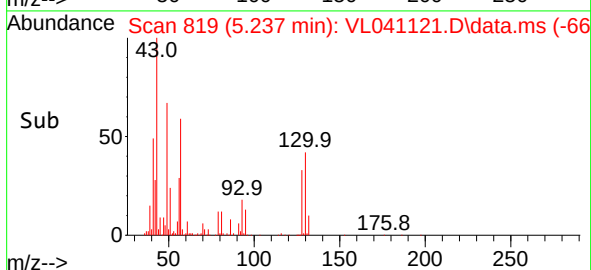
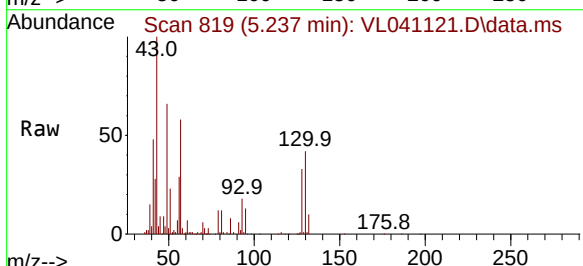
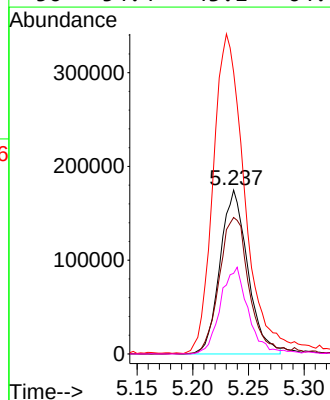
Manual Integrations
APPROVED

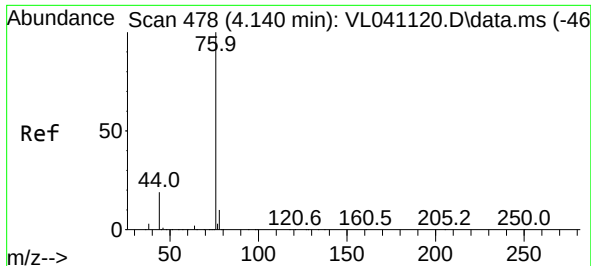
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#26
Hexane
Concen: 2.240 ppbv
RT: 5.237 min Scan# 819
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 57 Resp: 302451
Ion Ratio Lower Upper
57 100
41 92.6 73.8 110.8
43 227.8 186.2 279.2
56 54.4 43.1 64.7





#27

Carbon Disulfide

Concen: 2.184 ppbv

RT: 4.143 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 76 Resp: 35803

Ion Ratio Lower Upper

76 100

44 19.6 16.3 24.5

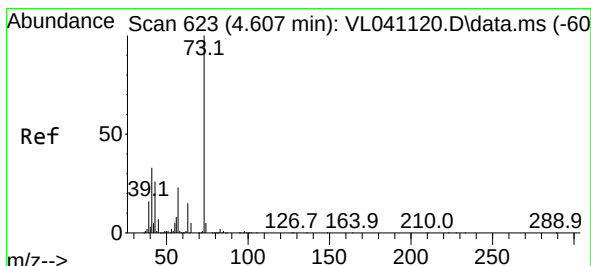
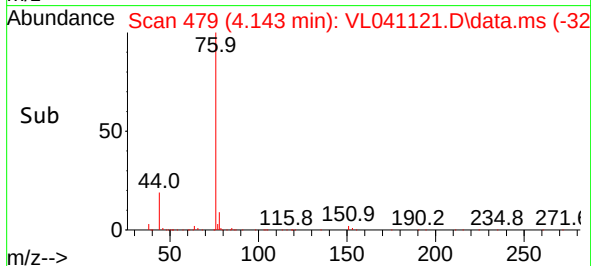
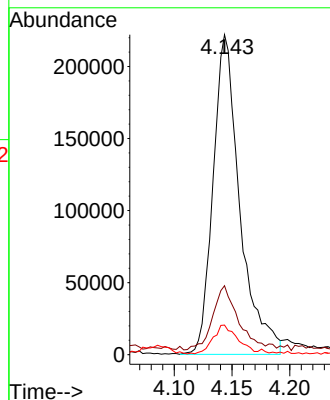
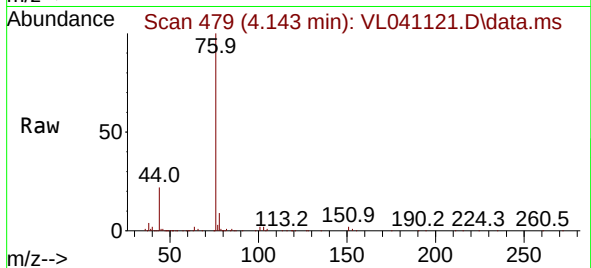
78 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#28

Methyl tert-Butyl Ether

Concen: 2.264 ppbv

RT: 4.610 min Scan# 624

Delta R.T. 0.003 min

Lab File: VL041121.D

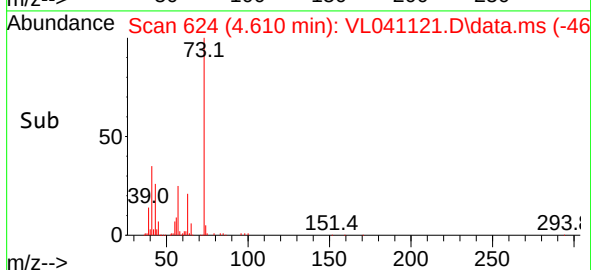
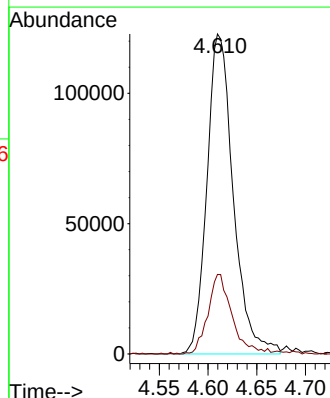
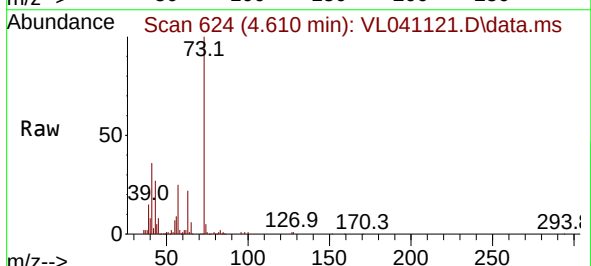
Acq: 4 Apr 2024 10:07

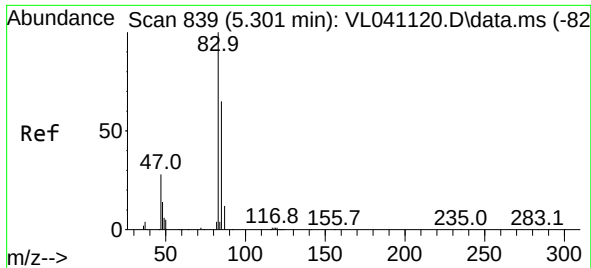
Tgt Ion: 73 Resp: 230657

Ion Ratio Lower Upper

73 100

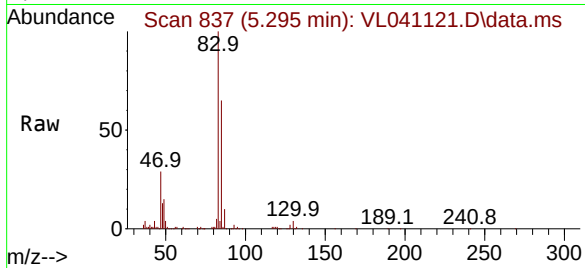
57 23.5 18.6 27.8





#29
Chloroform
Concen: 2.102 ppbv
RT: 5.295 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

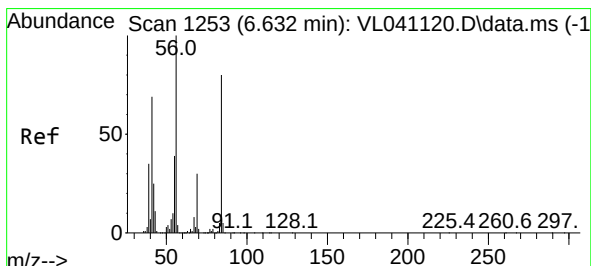
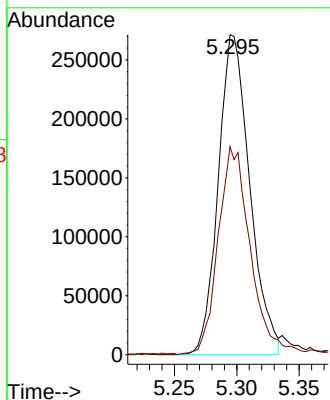
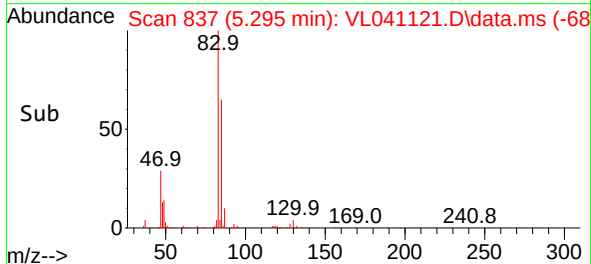
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



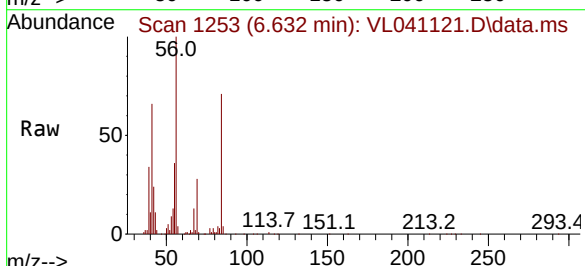
Tgt Ion: 83 Resp: 47851
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3

Manual Integrations
APPROVED

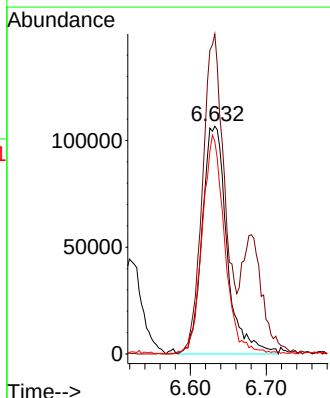
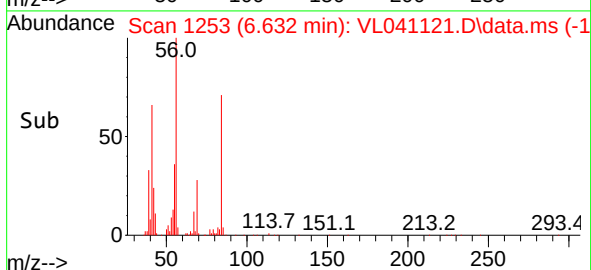
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

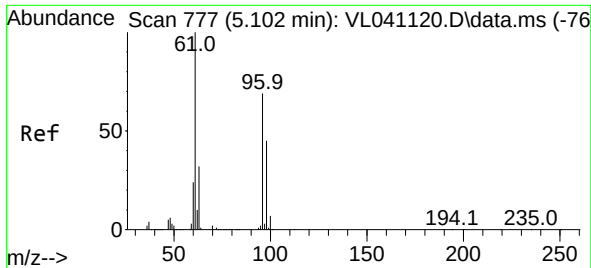


#30
Cyclohexane
Concen: 2.232 ppbv m
RT: 6.632 min Scan# 1253
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



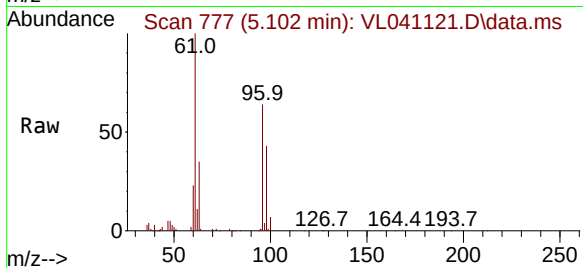
Tgt Ion: 84 Resp: 242430
Ion Ratio Lower Upper
84 100
56 123.7 111.9 167.9
41 87.3 71.0 106.6





#31
 cis-1,2-Dichloroethene
 Concen: 2.198 ppbv
 RT: 5.102 min Scan# 777
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

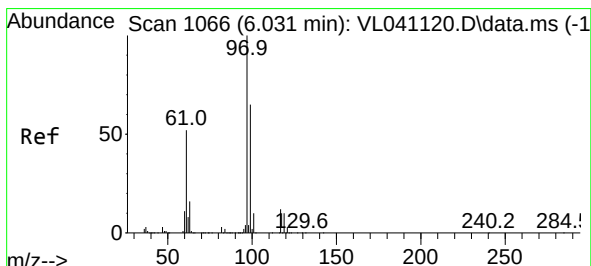
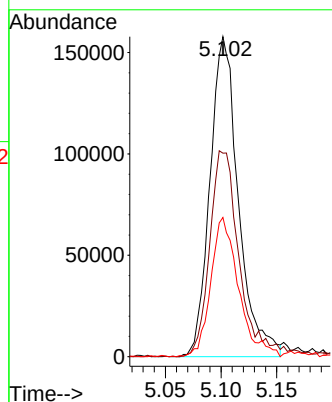
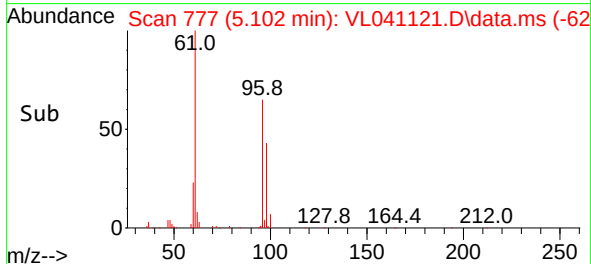
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



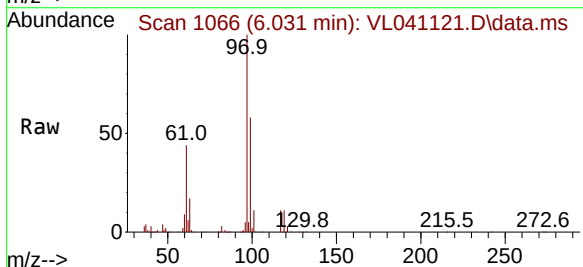
Tgt Ion: 61 Resp: 28088
 Ion Ratio Lower Upper
 61 100
 96 63.6 54.9 82.3
 98 43.5 35.9 53.9

Manual Integrations
 APPROVED

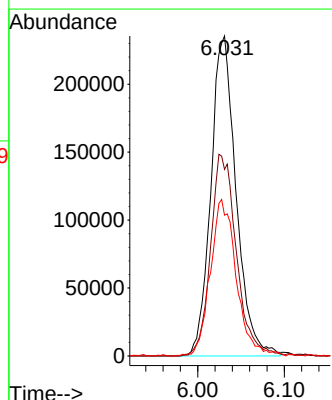
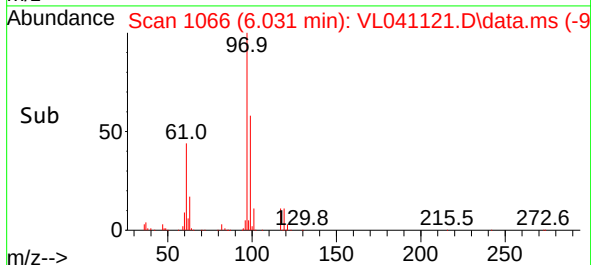
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

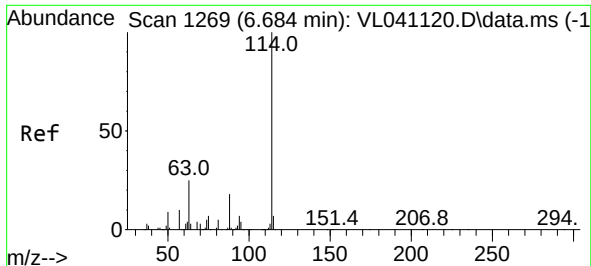


#32
 1,1,1-Trichloroethane
 Concen: 2.268 ppbv
 RT: 6.031 min Scan# 1066
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07



Tgt Ion: 97 Resp: 477269
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 50.0 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.680 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041121.D

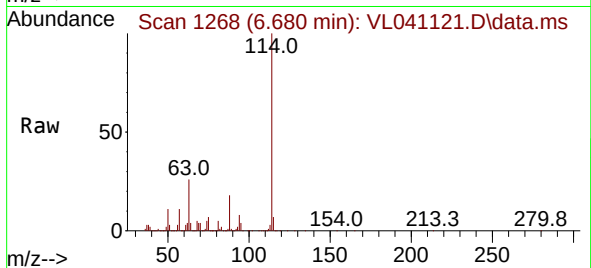
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:114 Resp: 3830680

Ion Ratio Lower Upper

114 100

63 25.9 20.9 31.3

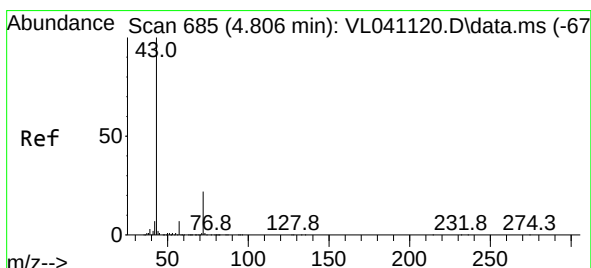
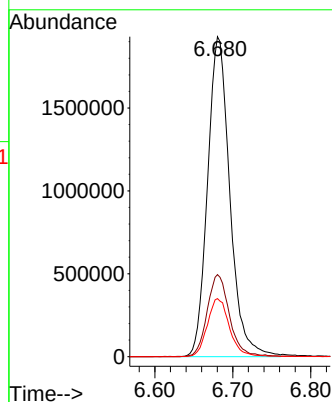
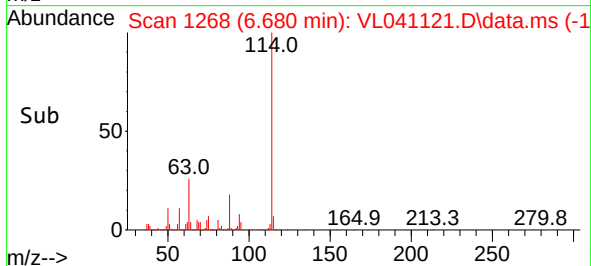
88 18.2 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#34

2-Butanone

Concen: 2.097 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.006 min

Lab File: VL041121.D

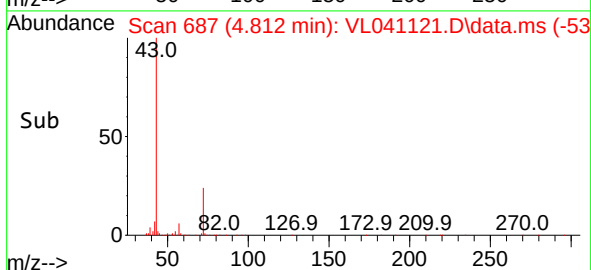
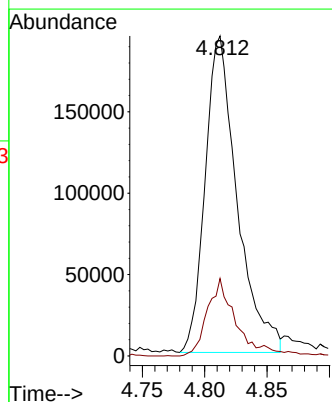
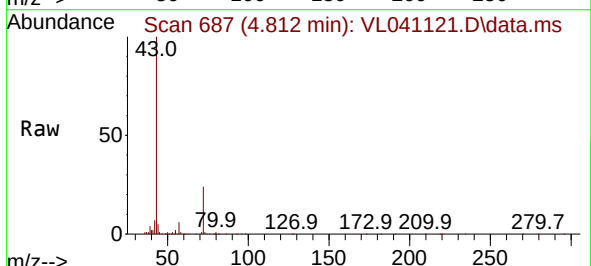
Acq: 4 Apr 2024 10:07

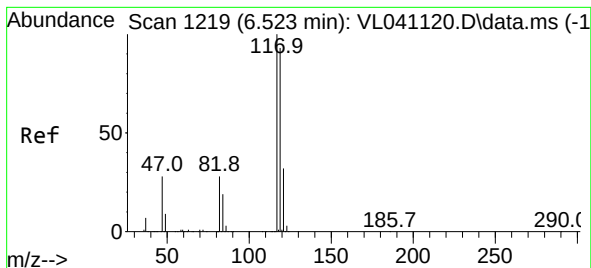
Tgt Ion: 43 Resp: 346983

Ion Ratio Lower Upper

43 100

72 22.8 17.6 26.4





#35

Carbon Tetrachloride

Concen: 2.246 ppbv

RT: 6.520 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041121.D

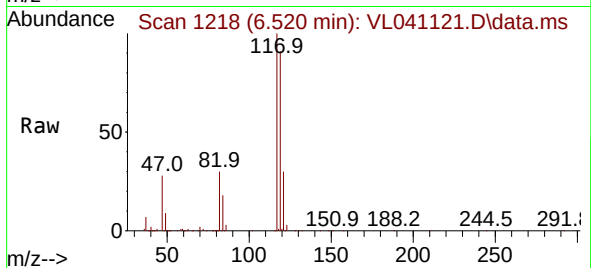
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:117 Resp: 490992

Ion Ratio Lower Upper

117 100

119 90.7 74.2 111.4

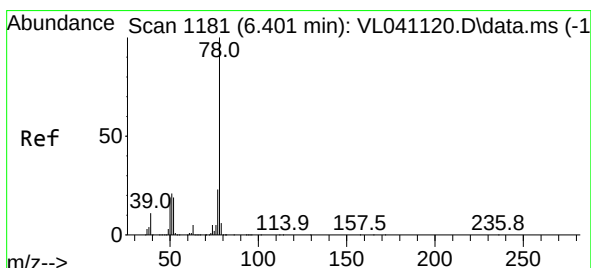
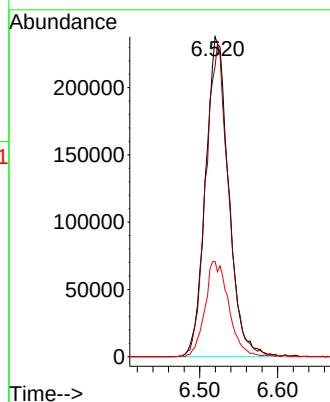
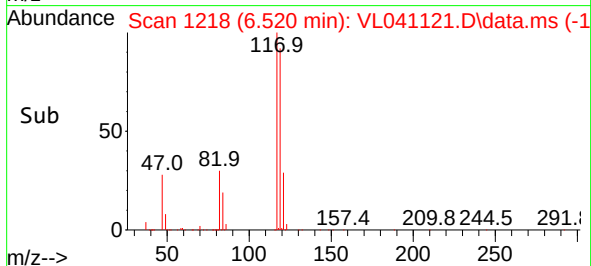
121 29.6 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#36

Benzene

Concen: 2.158 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

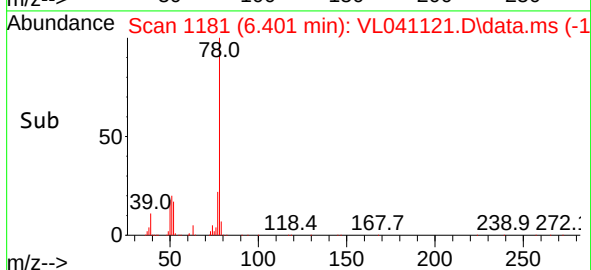
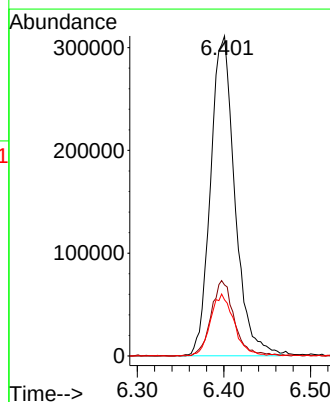
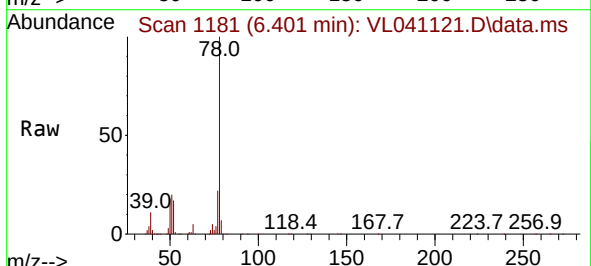
Tgt Ion: 78 Resp: 606338

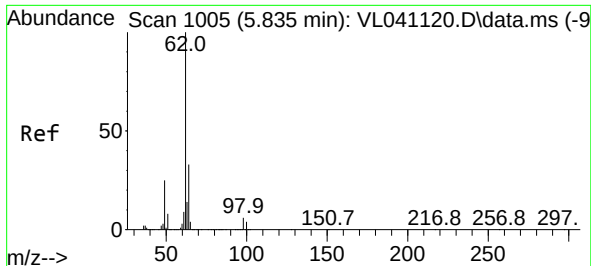
Ion Ratio Lower Upper

78 100

77 22.2 18.2 27.4

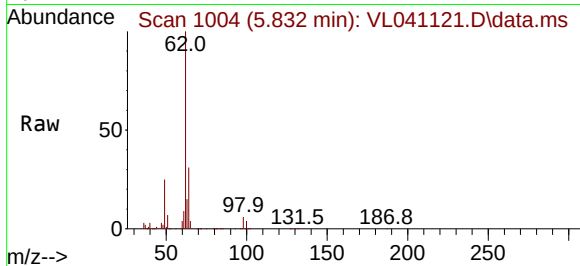
50 17.5 15.4 23.2





#37
1,2-Dichloroethane
Concen: 2.088 ppbv
RT: 5.832 min Scan# 1004
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

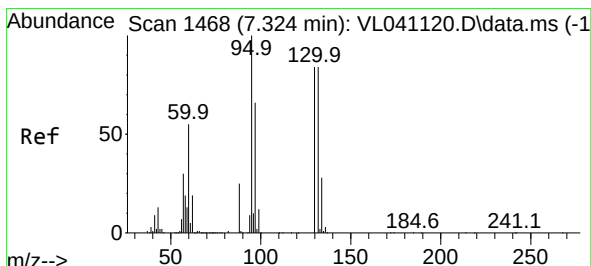
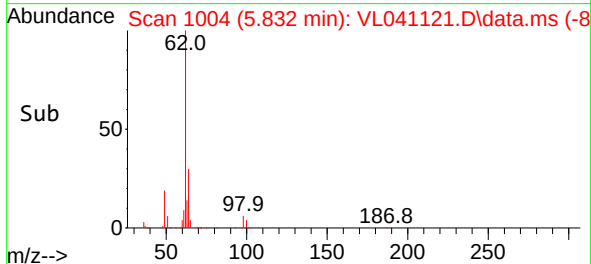
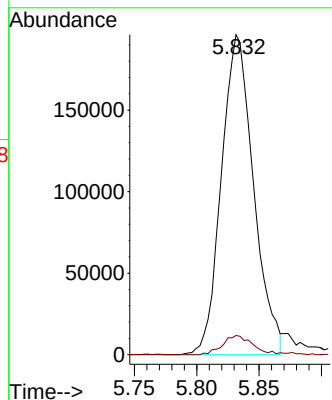
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 62 Resp: 352640
Ion Ratio Lower Upper
62 100
98 5.9 4.6 7.0

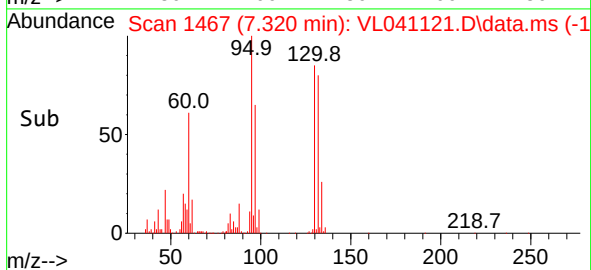
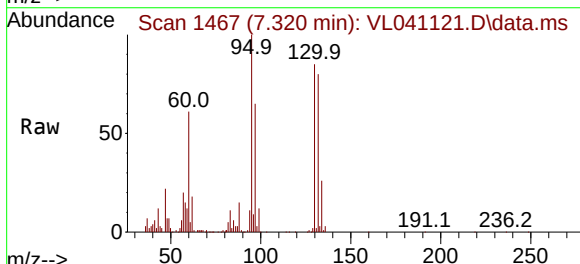
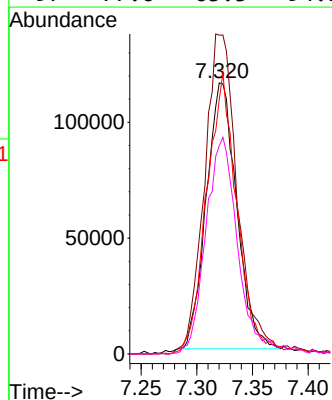
Manual Integrations
APPROVED

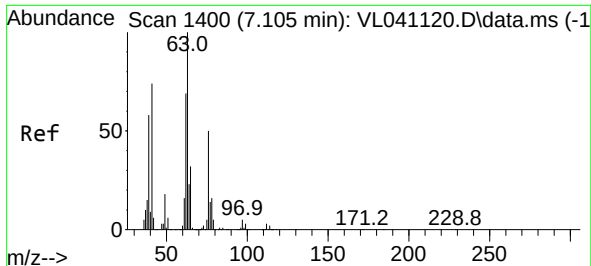
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#38
Trichloroethene
Concen: 2.138 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion:130 Resp: 218036
Ion Ratio Lower Upper
130 100
95 117.6 95.4 143.0
132 94.4 80.0 120.0
97 77.6 63.3 94.9





#39

1,2-Dichloropropane

Concen: 2.098 ppbv m

RT: 7.098 min Scan# 1400

Delta R.T. -0.007 min

Lab File: VL041121.D

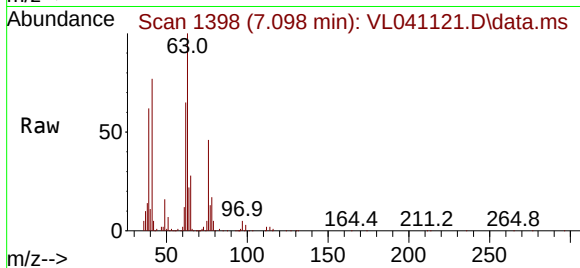
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

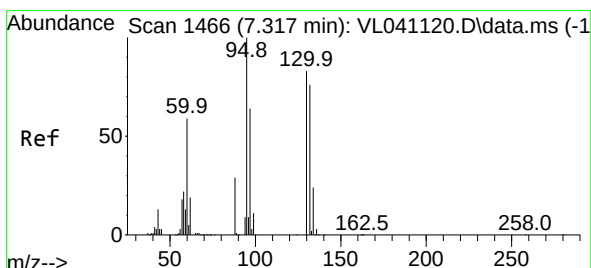
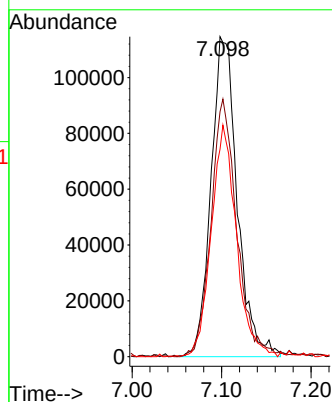
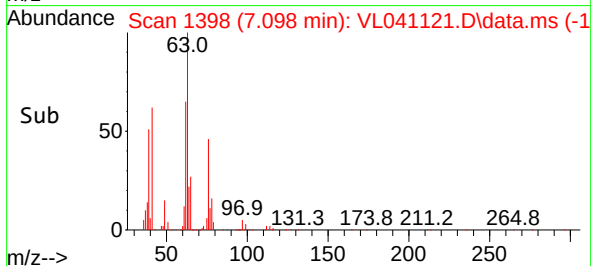


Tgt Ion:	63	Resp:	23401
Ion	Ratio	Lower	Upper
63	100		
41	76.5	58.7	88.1
62	64.8	55.5	83.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#40

1,4-Dioxane

Concen: 2.395 ppbv m

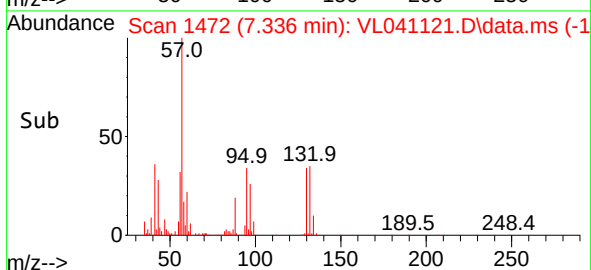
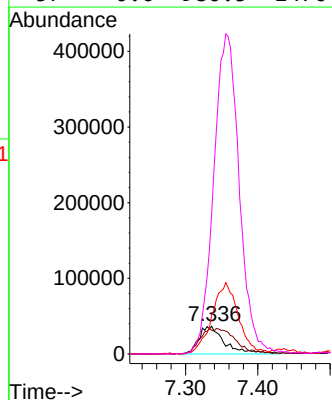
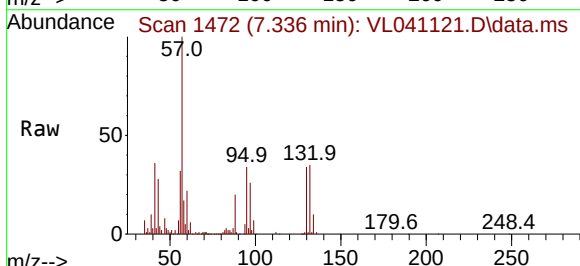
RT: 7.336 min Scan# 1472

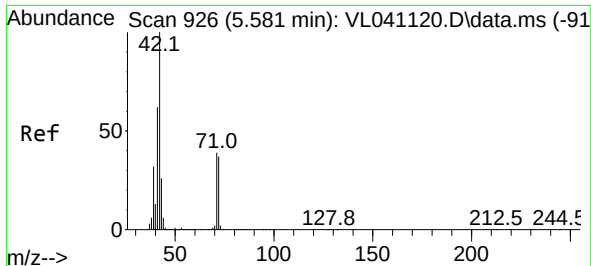
Delta R.T. 0.019 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

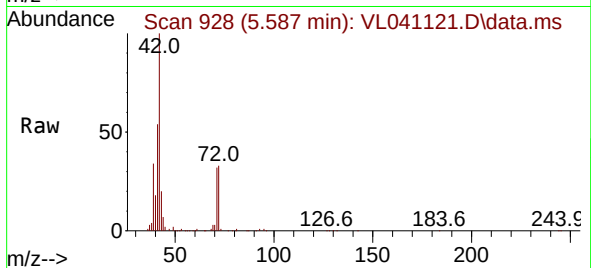
Tgt Ion:	88	Resp:	91561
Ion	Ratio	Lower	Upper
88	100		
58	123.8	107.8	161.6
43	0.0	223.8	335.6#
57	0.0	980.5	1470.7#





#41
Tetrahydrofuran
Concen: 2.181 ppbv
RT: 5.587 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

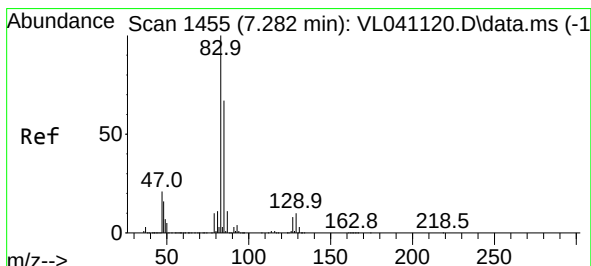
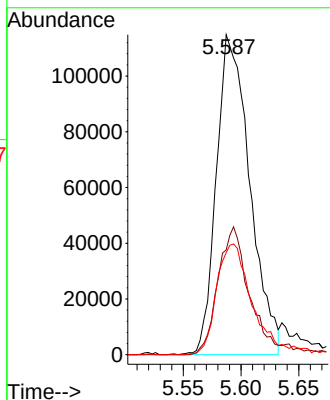
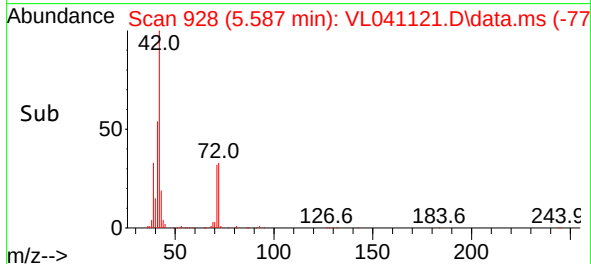
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 42 Resp: 230792
Ion Ratio Lower Upper
42 100
72 39.9 31.2 46.8
71 38.2 29.9 44.9

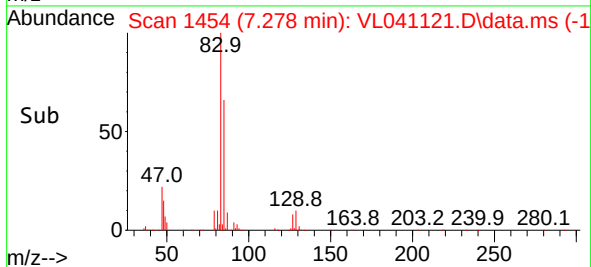
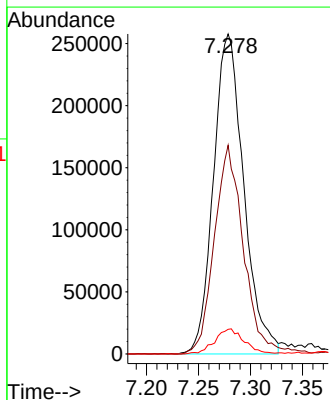
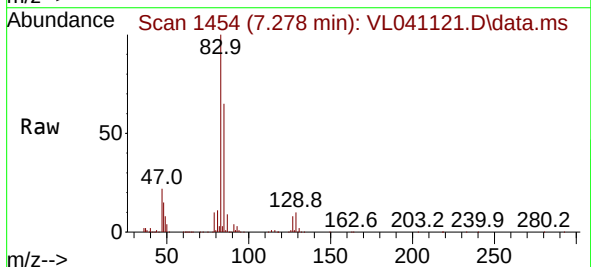
Manual Integrations
APPROVED

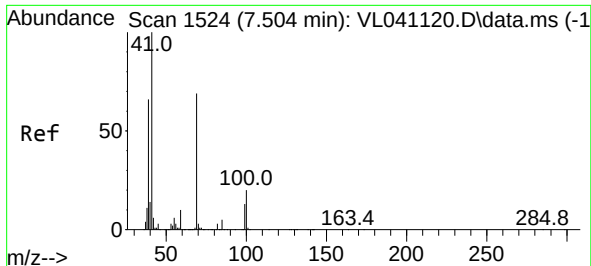
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#42
Bromodichloromethane
Concen: 2.166 ppbv
RT: 7.278 min Scan# 1454
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

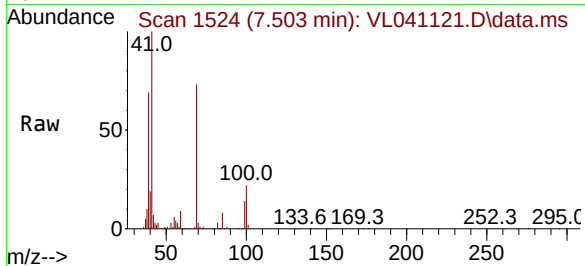
Tgt Ion: 83 Resp: 522696
Ion Ratio Lower Upper
83 100
85 65.2 53.5 80.3
127 7.6 6.2 9.4





#43
Methyl Methacrylate
Concen: 2.421 ppbv m
RT: 7.503 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

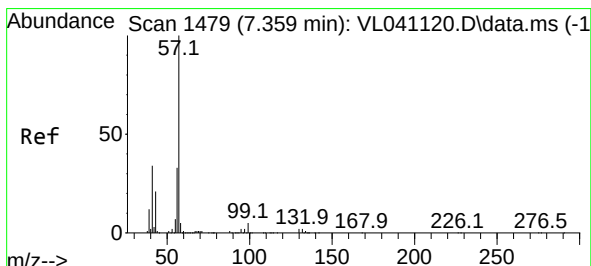
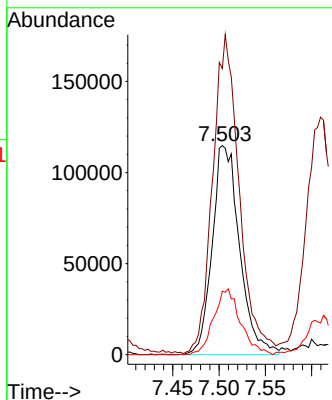
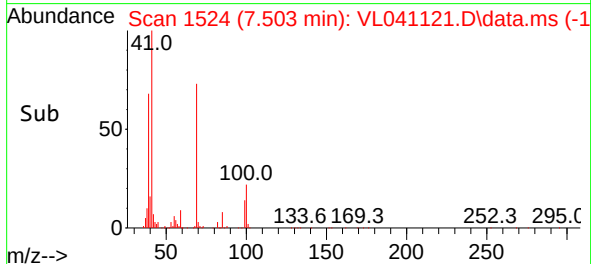
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



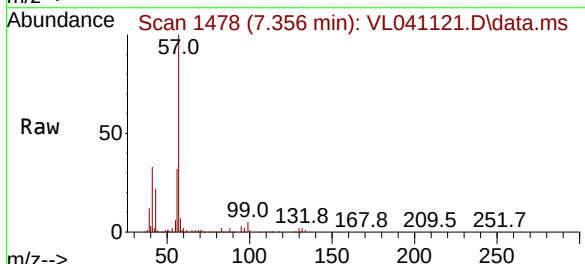
Tgt Ion: 69 Resp: 23633
Ion Ratio Lower Upper
69 100
41 0.0 119.2 178.8
100 0.0 24.6 37.0

Manual Integrations
APPROVED

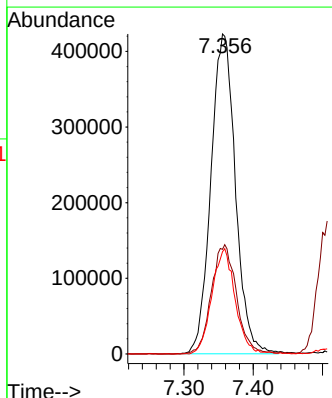
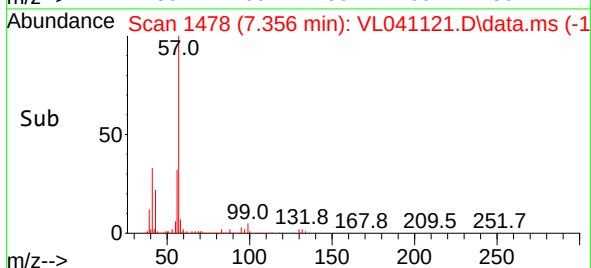
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

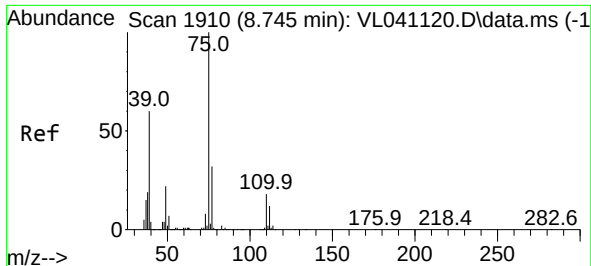


#44
2,2,4-Trimethylpentane
Concen: 2.232 ppbv
RT: 7.356 min Scan# 1478
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



Tgt Ion: 57 Resp: 1039313
Ion Ratio Lower Upper
57 100
41 35.3 28.2 42.2
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 2.018 ppbv

RT: 8.741 min Scan# 1910

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 126972

Ion Ratio Lower Upper

75 100

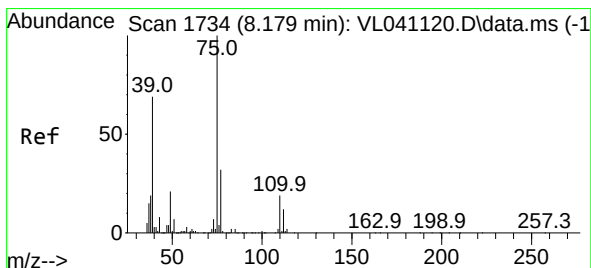
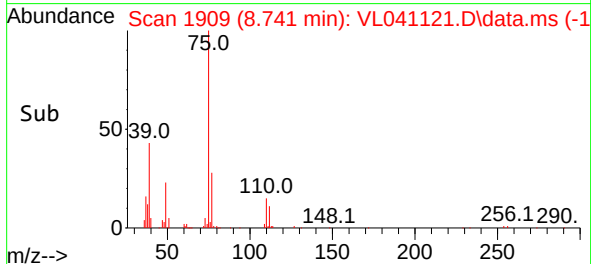
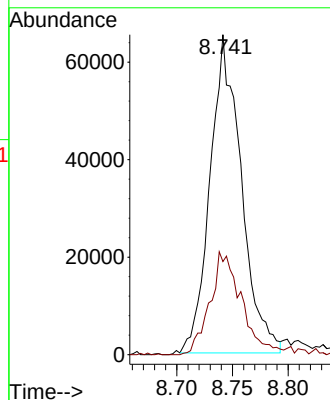
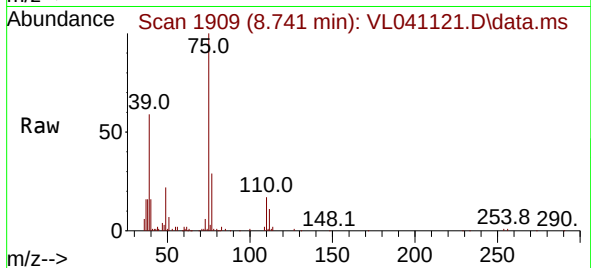
77 29.1 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#46

cis-1,3-Dichloropropene

Concen: 2.030 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

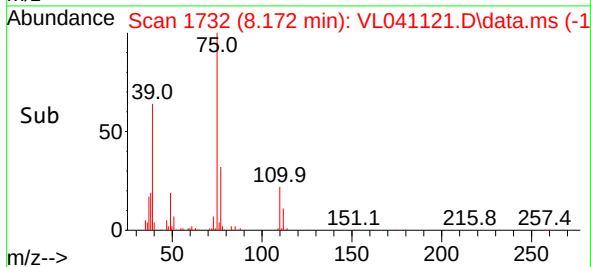
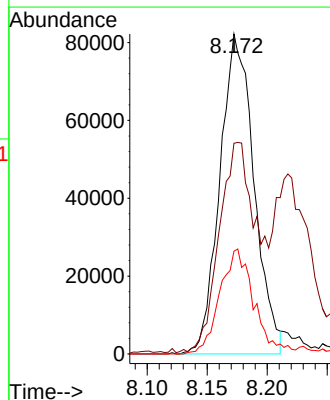
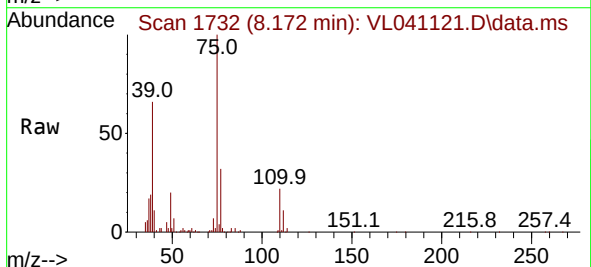
Tgt Ion: 75 Resp: 162555

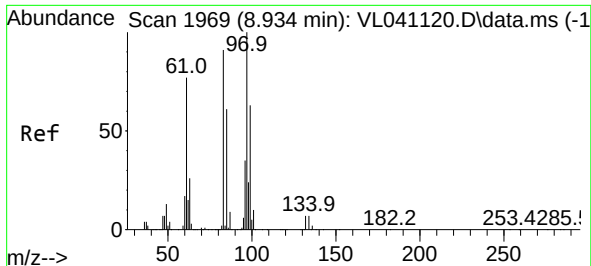
Ion Ratio Lower Upper

75 100

39 65.1 55.1 82.7

77 32.1 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 2.109 ppbv m

RT: 8.928 min Scan# 1967

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 25290

Ion Ratio Lower Upper

97 100

83 94.6 72.9 109.3

85 52.5 49.1 73.7

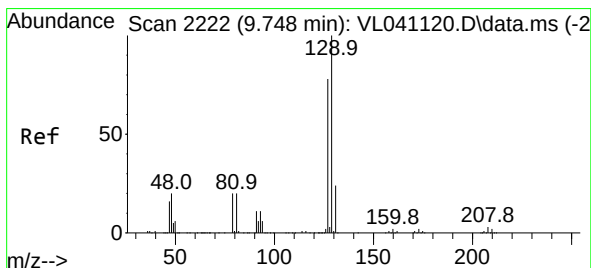
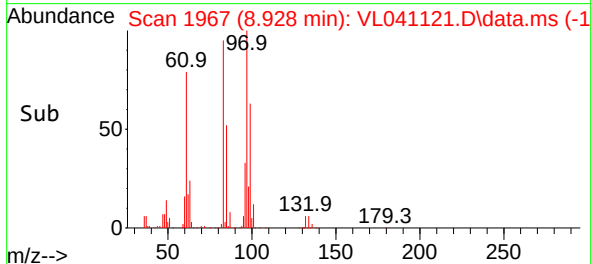
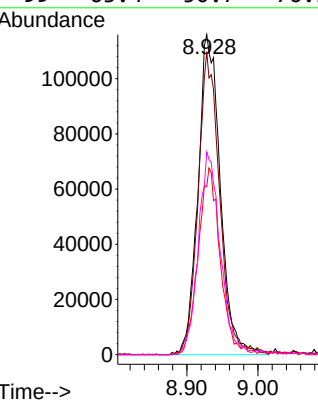
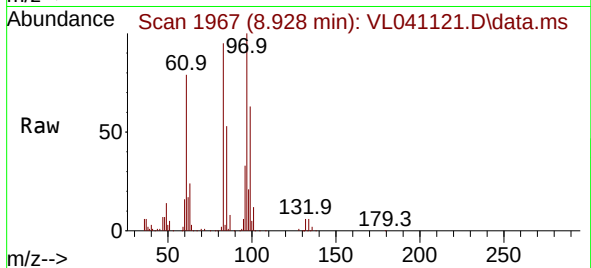
99 63.4 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#48

Dibromochloromethane

Concen: 2.104 ppbv

RT: 9.745 min Scan# 2221

Delta R.T. -0.003 min

Lab File: VL041121.D

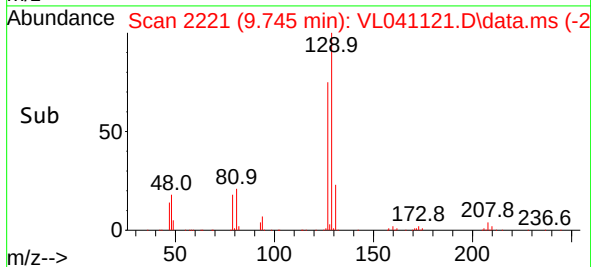
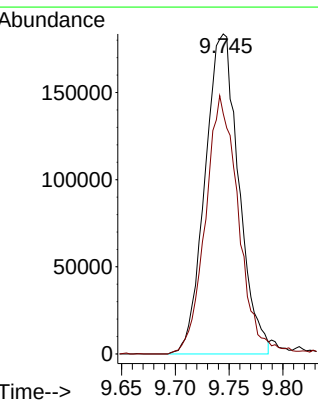
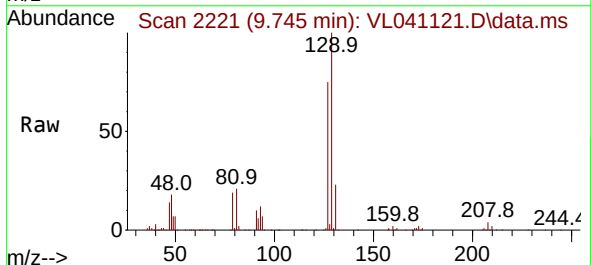
Acq: 4 Apr 2024 10:07

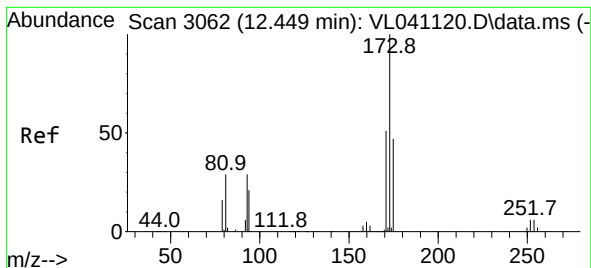
Tgt Ion:129 Resp: 400397

Ion Ratio Lower Upper

129 100

127 80.2 39.3 117.9





#49

Bromoform

Concen: 2.136 ppbv

RT: 12.442 min Scan# 3060

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:173 Resp: 32220

Ion Ratio Lower Upper

173 100

175 48.4 39.4 59.0

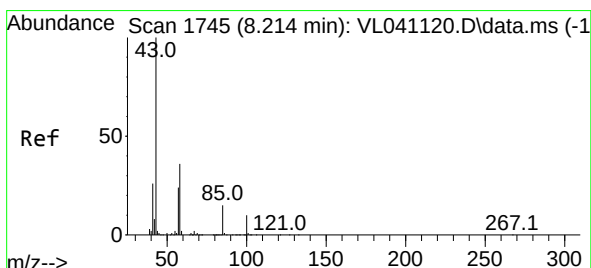
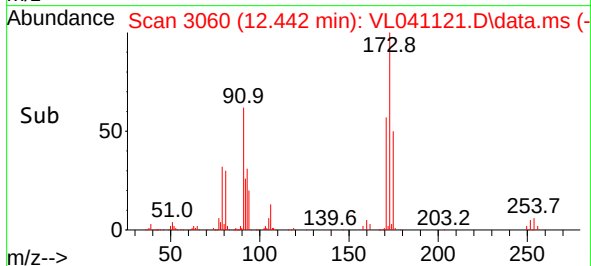
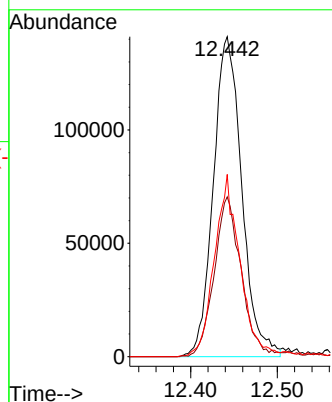
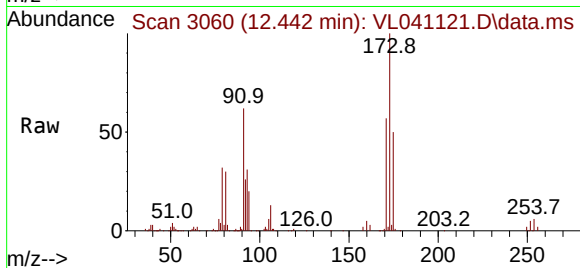
171 52.6 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#50

4-Methyl-2-Pentanone

Concen: 2.177 ppbv

RT: 8.220 min Scan# 1747

Delta R.T. 0.006 min

Lab File: VL041121.D

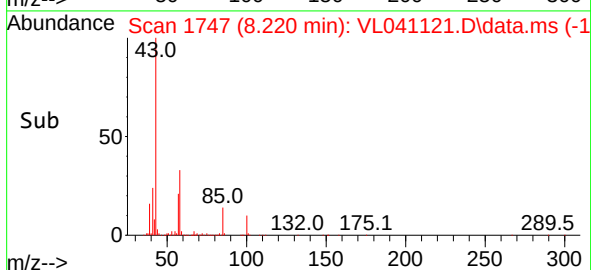
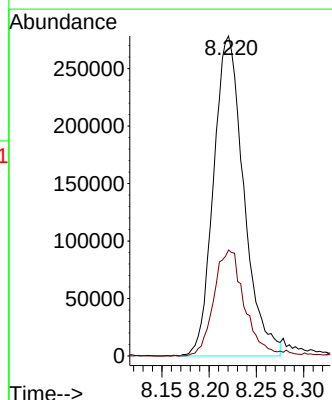
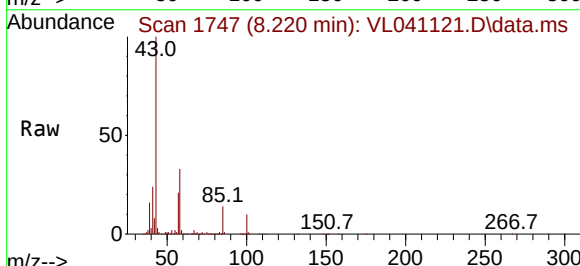
Acq: 4 Apr 2024 10:07

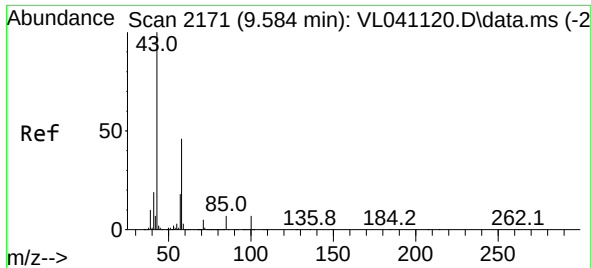
Tgt Ion: 43 Resp: 618053

Ion Ratio Lower Upper

43 100

58 34.7 27.7 41.5





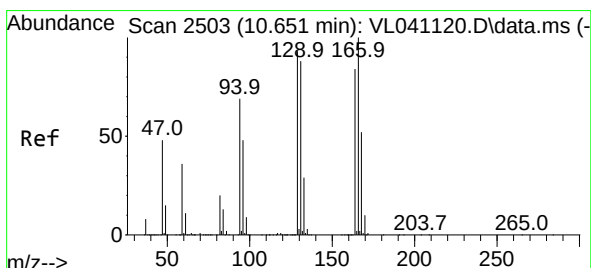
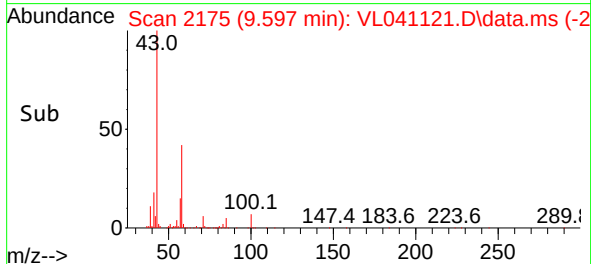
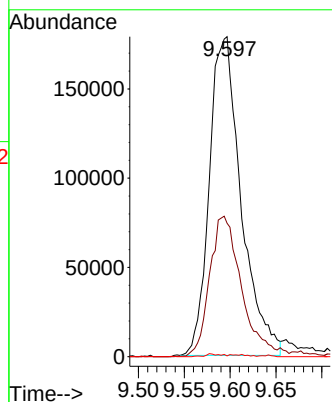
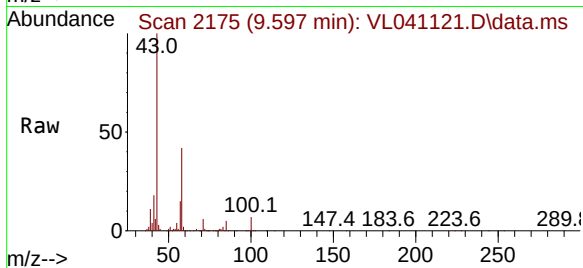
#51
2-Hexanone
Concen: 2.188 ppbv
RT: 9.597 min Scan# 2171
Delta R.T. 0.013 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 43076
Ion Ratio Lower Upper
43 100
58 46.4 37.3 55.9
98 0.9 0.3 0.5

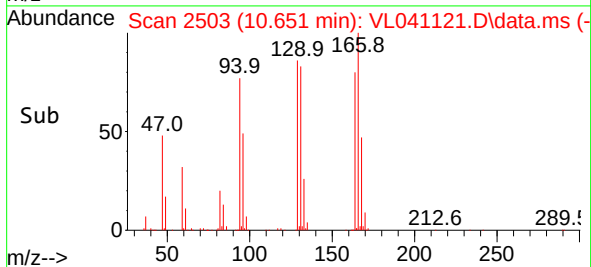
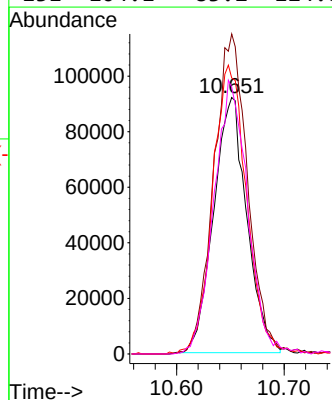
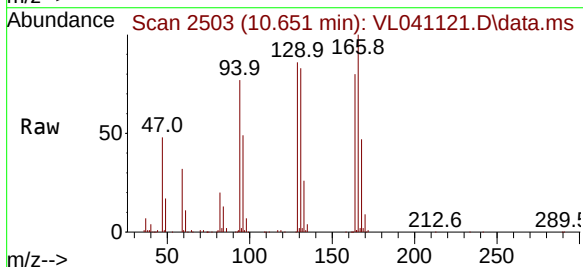
Manual Integrations
APPROVED

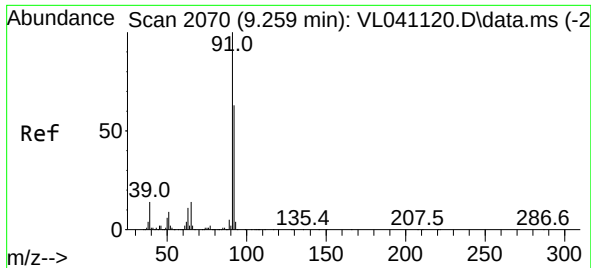
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#52
Tetrachloroethene
Concen: 2.181 ppbv
RT: 10.651 min Scan# 2503
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

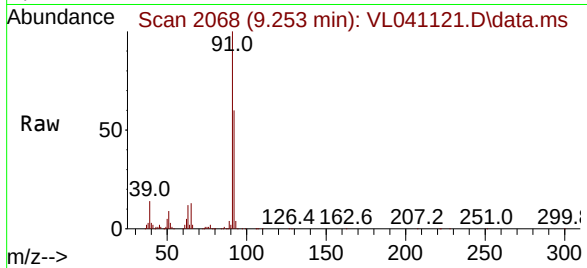
Tgt Ion:164 Resp: 196457
Ion Ratio Lower Upper
164 100
166 124.5 95.0 142.6
129 106.7 88.7 133.1
131 104.1 83.2 124.8





#53
Toluene
Concen: 2.199 ppbv
RT: 9.253 min Scan# 2070
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

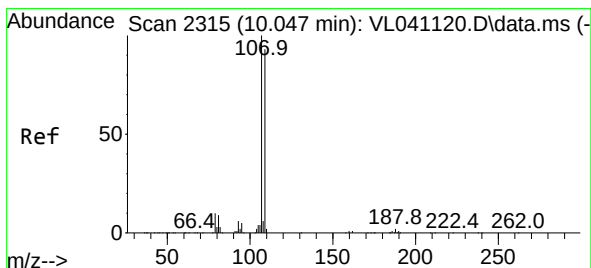
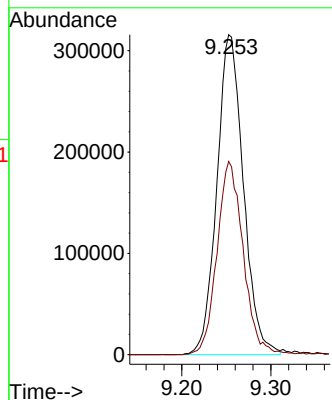
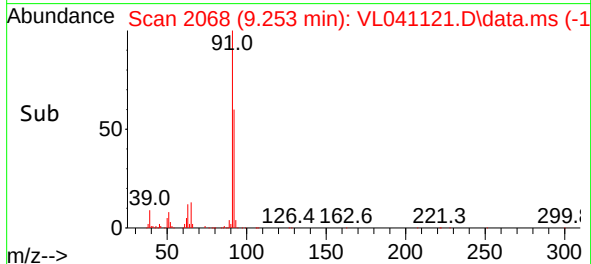
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



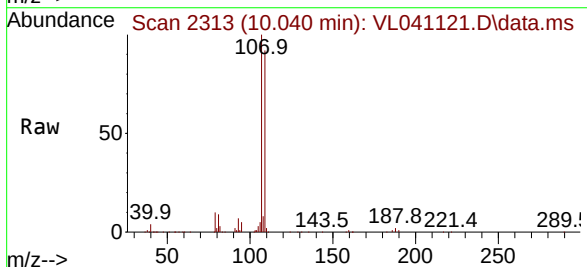
Tgt Ion: 91 Resp: 65370
Ion Ratio Lower Upper
91 100
92 60.0 49.0 73.4

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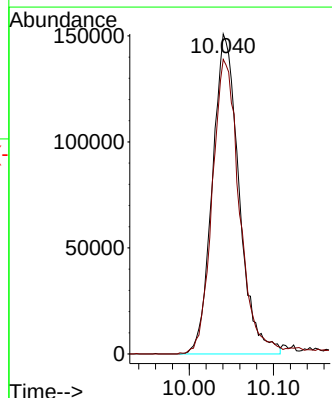
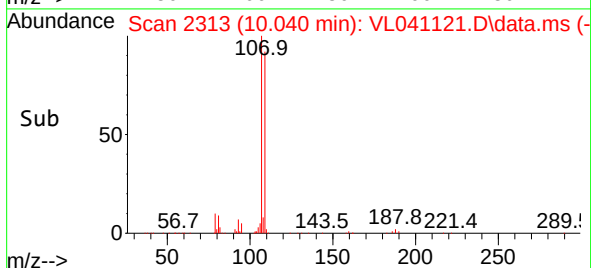
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

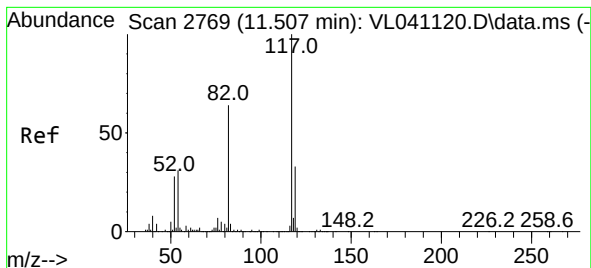


#54
1,2-Dibromoethane
Concen: 2.213 ppbv
RT: 10.040 min Scan# 2313
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



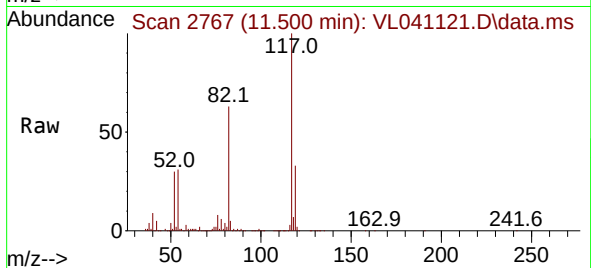
Tgt Ion:107 Resp: 330691
Ion Ratio Lower Upper
107 100
109 91.7 74.3 111.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

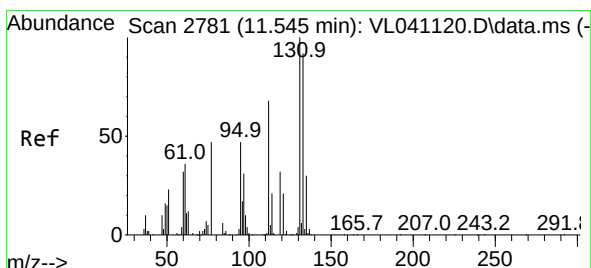
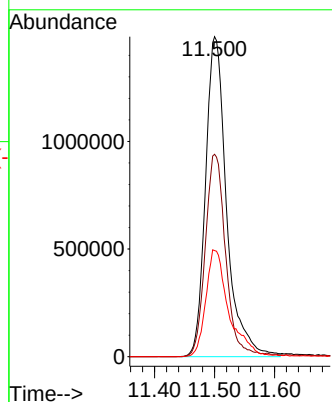
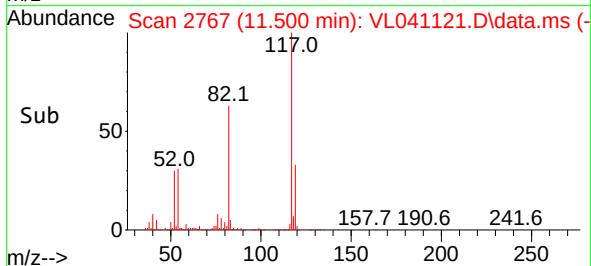
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



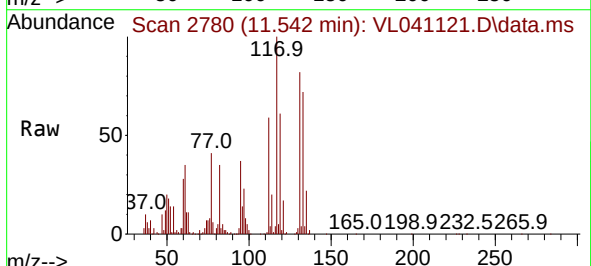
Tgt Ion:117 Resp: 3633674
Ion Ratio Lower Upper
117 100
82 62.3 51.0 76.6
119 37.1 25.2 37.8

Manual Integrations
APPROVED

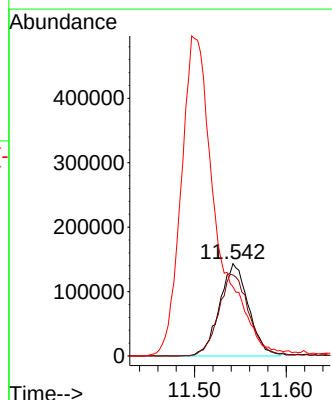
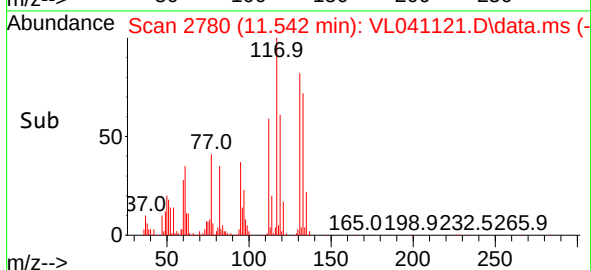
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

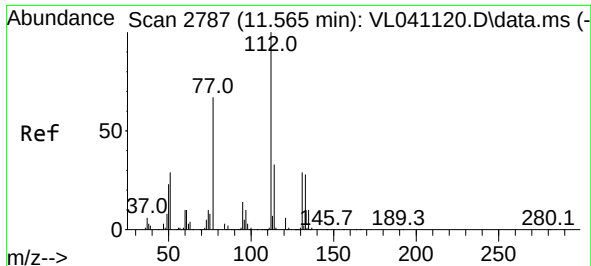


#56
1,1,1,2-Tetrachloroethane
Concen: 2.118 ppbv
RT: 11.542 min Scan# 2780
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



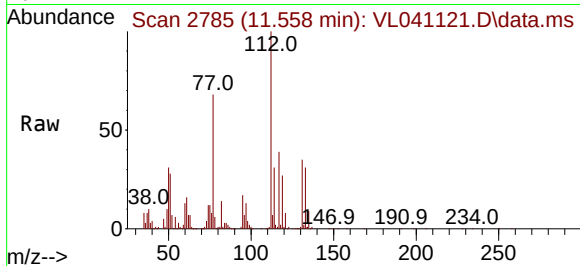
Tgt Ion:131 Resp: 314830
Ion Ratio Lower Upper
131 100
133 93.7 76.6 115.0
119 428.6 49.9 74.9#





#57
Chlorobenzene
Concen: 2.110 ppbv
RT: 11.558 min Scan# 2785
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

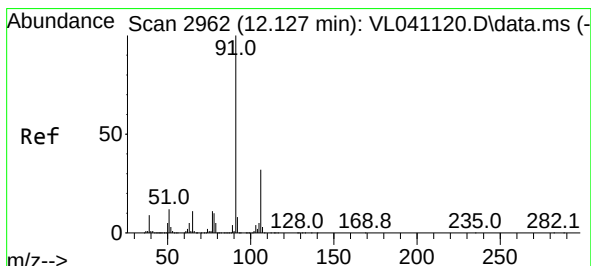
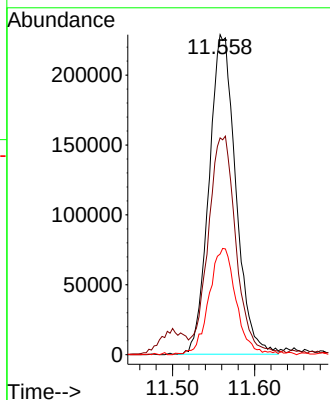
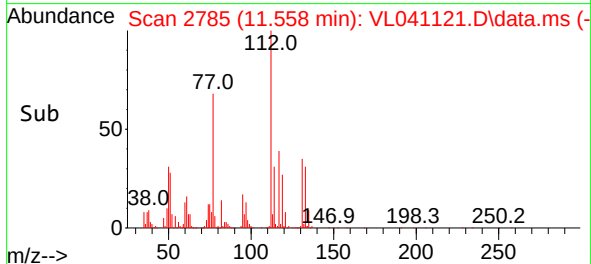
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:112 Resp: 518854
Ion Ratio Lower Upper
112 100
77 66.7 54.0 81.0
114 33.5 29.3 35.9

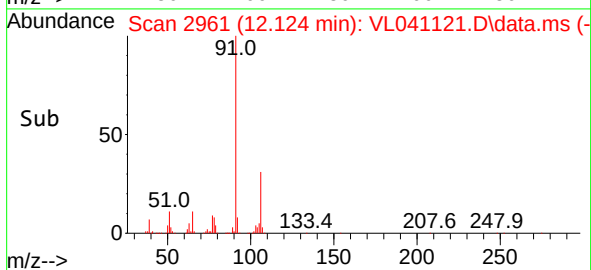
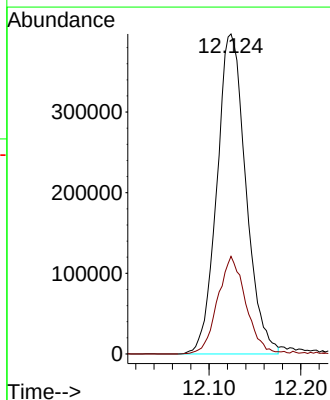
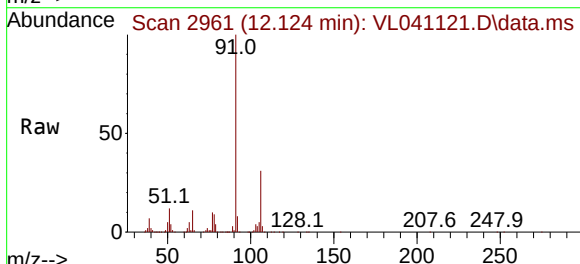
Manual Integrations
APPROVED

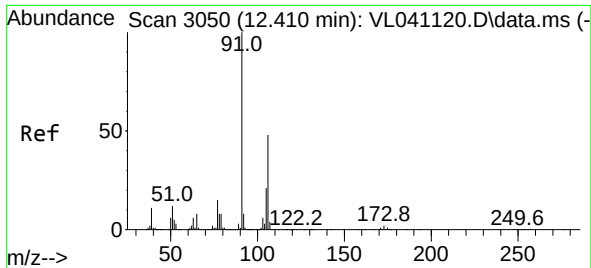
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#58
Ethyl Benzene
Concen: 2.198 ppbv
RT: 12.124 min Scan# 2961
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 91 Resp: 869884
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4





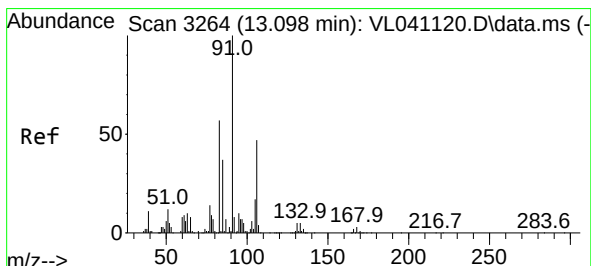
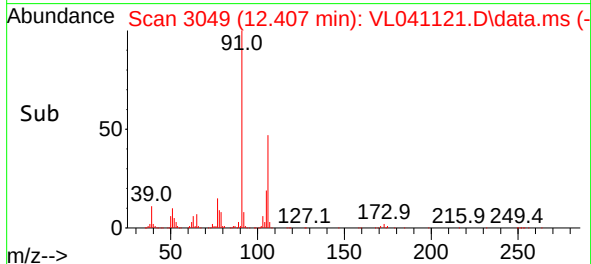
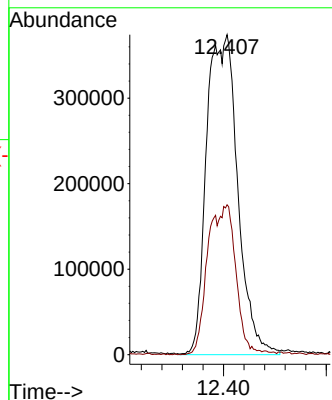
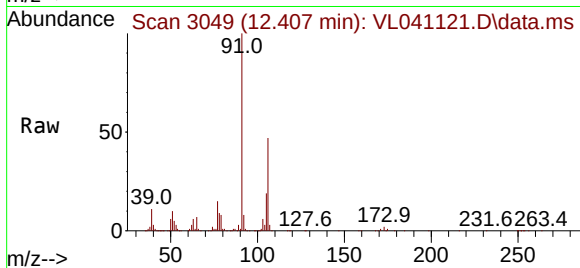
#59
m/p-Xylene
Concen: 4.401 ppbv m
RT: 12.407 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1574139
Ion Ratio Lower Upper
91 100
106 43.0 35.4 53.2

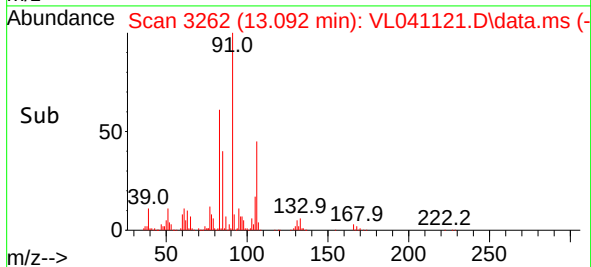
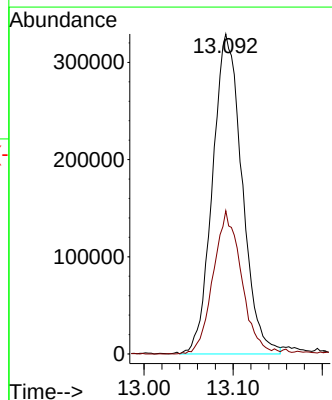
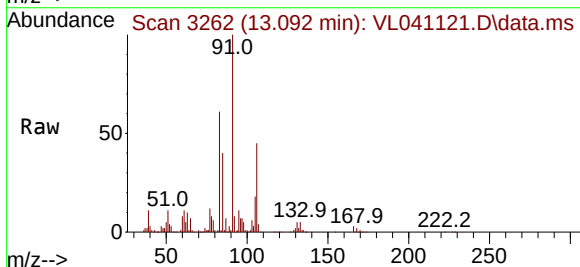
Manual Integrations
APPROVED

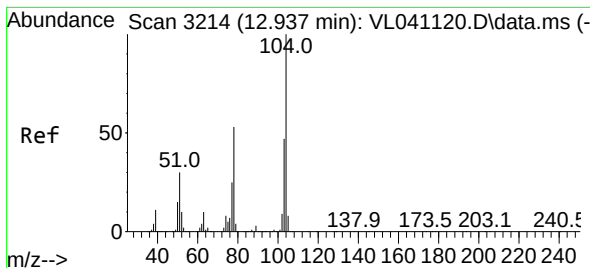
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#60
o-Xylene
Concen: 2.226 ppbv
RT: 13.092 min Scan# 3262
Delta R.T. -0.007 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion: 91 Resp: 757370
Ion Ratio Lower Upper
91 100
106 43.9 22.9 68.5





#61

Styrene

Concen: 2.145 ppbv

RT: 12.934 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:104 Resp: 322954

Ion Ratio Lower Upper

104 100

78 57.4 43.3 64.9

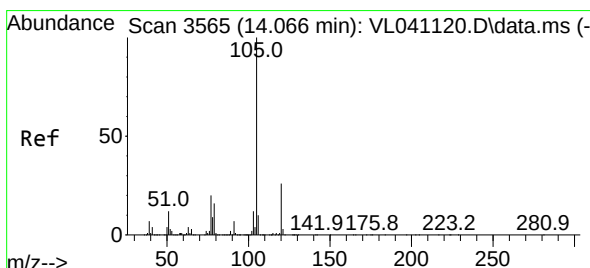
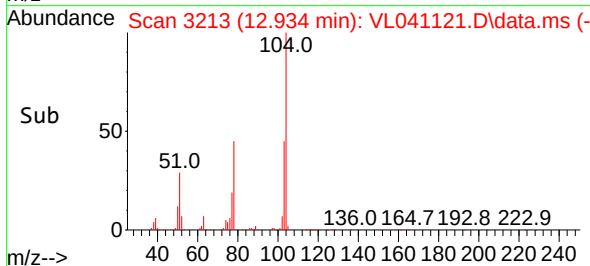
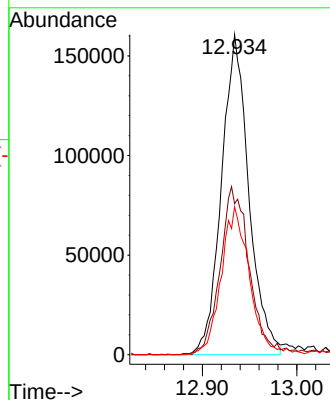
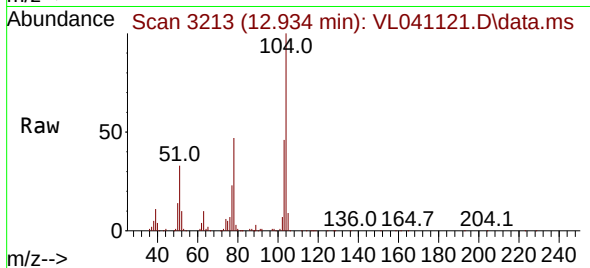
103 48.0 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#62

Isopropylbenzene

Concen: 2.180 ppbv

RT: 14.063 min Scan# 3564

Delta R.T. -0.003 min

Lab File: VL041121.D

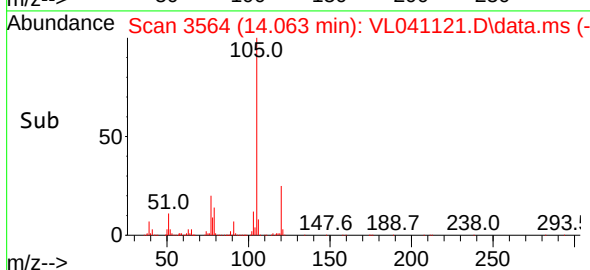
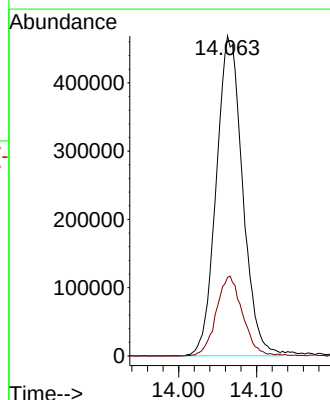
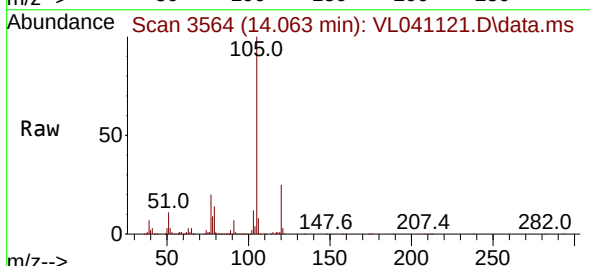
Acq: 4 Apr 2024 10:07

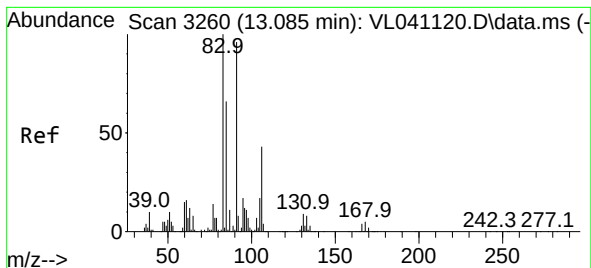
Tgt Ion:105 Resp: 1101011

Ion Ratio Lower Upper

105 100

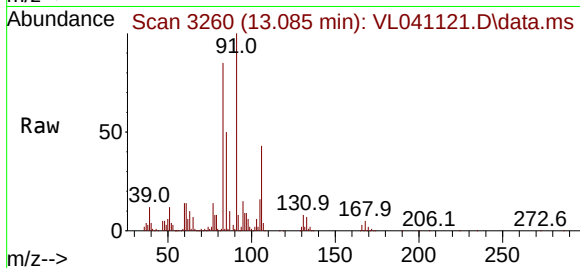
120 25.1 21.0 31.4





#63
1,1,2,2-Tetrachloroethane
Concen: 2.164 ppbv
RT: 13.085 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

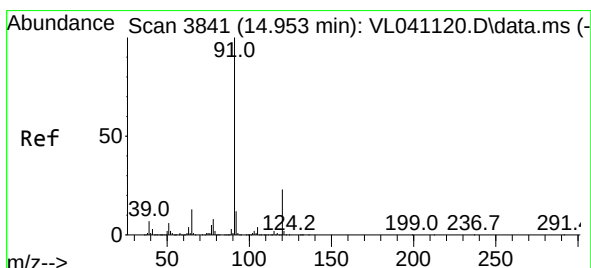
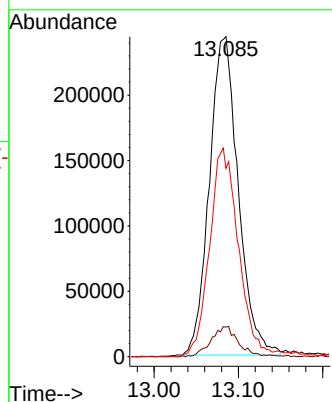
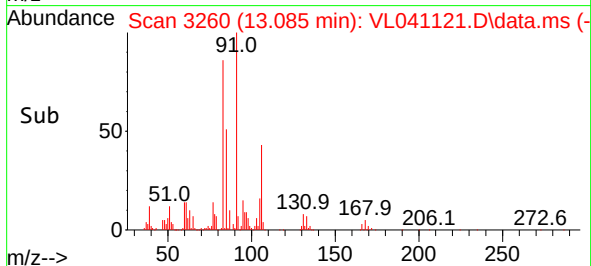
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



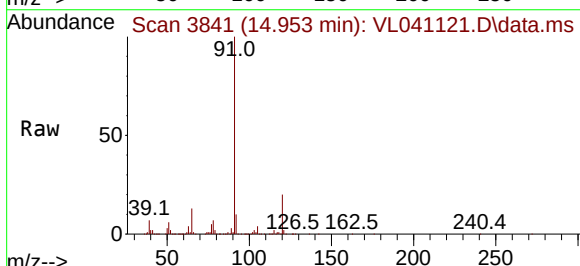
Tgt Ion: 83 Resp: 58087
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 66.3 33.1 99.2

Manual Integrations
APPROVED

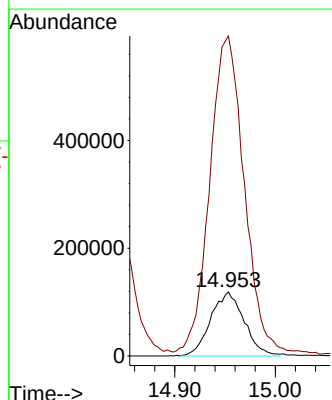
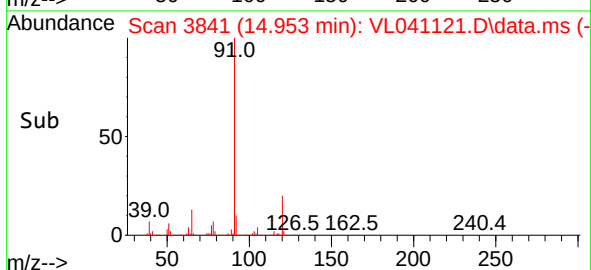
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

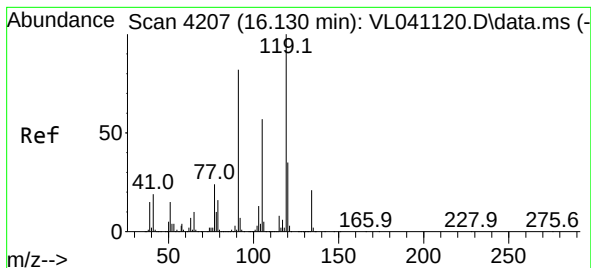


#64
n-propylbenzene
Concen: 2.170 ppbv
RT: 14.953 min Scan# 3841
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



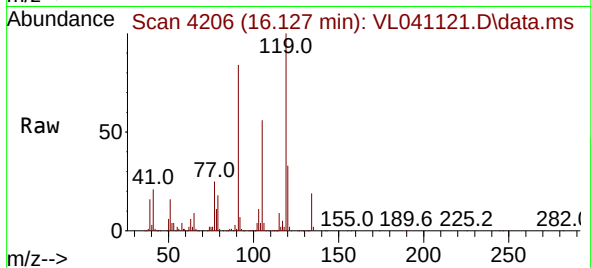
Tgt Ion:120 Resp: 274321
Ion Ratio Lower Upper
120 100
91 526.5 395.0 592.6





#65
tert-Butylbenzene
Concen: 2.233 ppbv
RT: 16.127 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

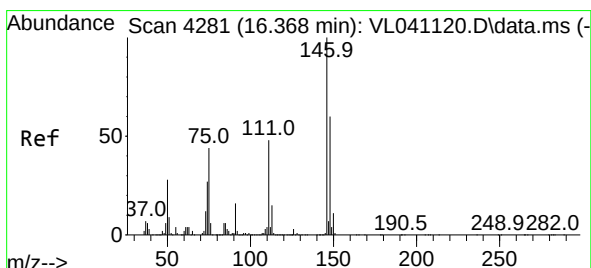
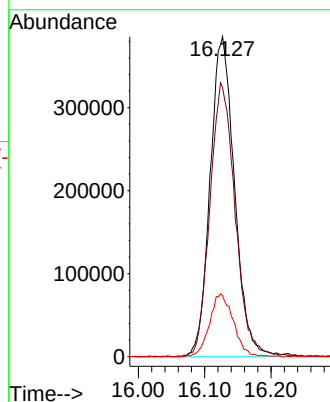
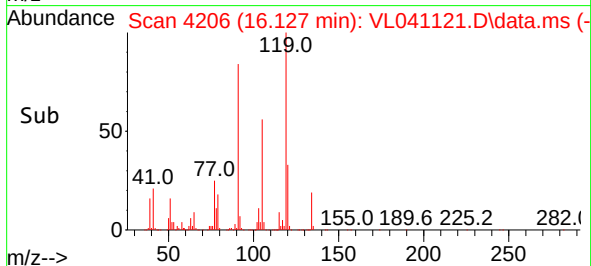
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



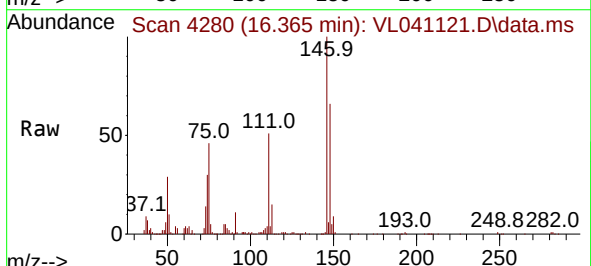
Tgt Ion: 119 Resp: 984874
Ion Ratio Lower Upper
119 100
91 88.6 67.8 101.8
134 19.2 16.0 24.0

Manual Integrations
APPROVED

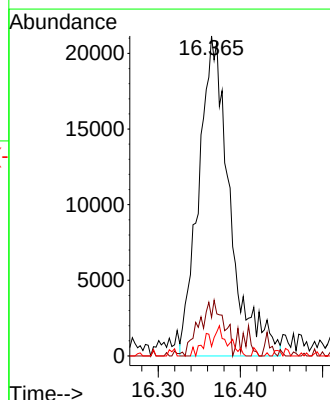
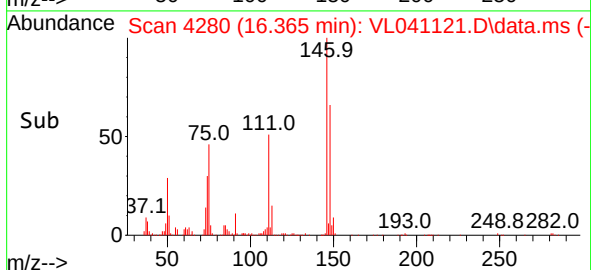
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

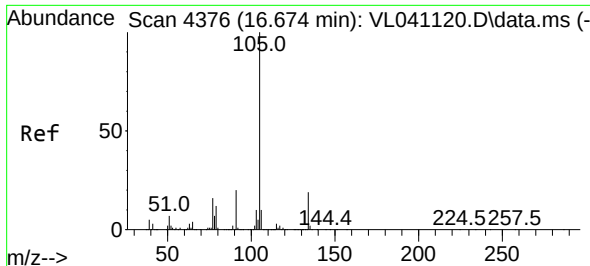


#66
Benzyl Chloride
Concen: 1.921 ppbv m
RT: 16.365 min Scan# 4280
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



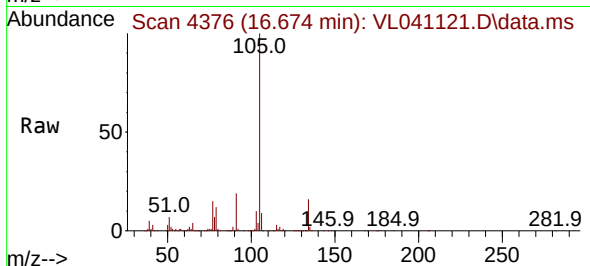
Tgt Ion: 91 Resp: 55855
Ion Ratio Lower Upper
91 100
126 13.5 13.4 20.2
128 6.2 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 2.251 ppbv
 RT: 16.674 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07

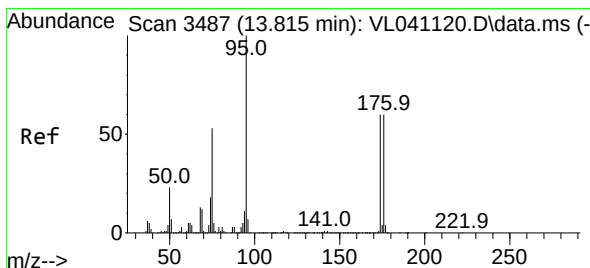
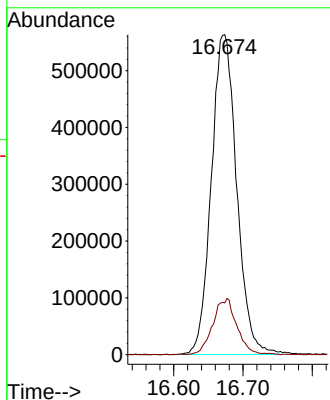
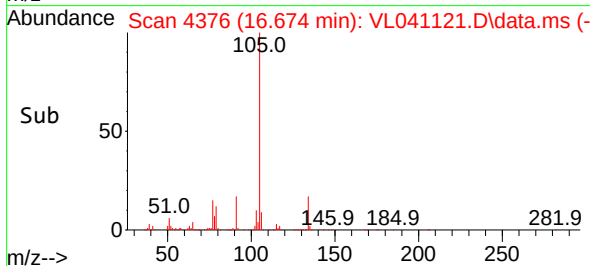
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



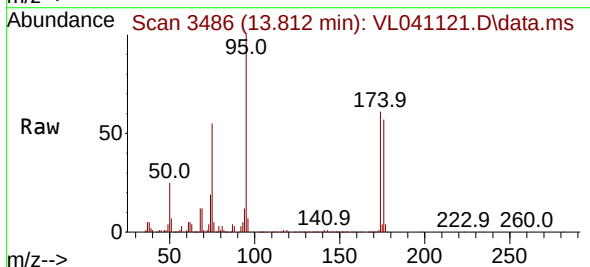
Tgt Ion:105 Resp: 143160
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.3 21.5

Manual Integrations
 APPROVED

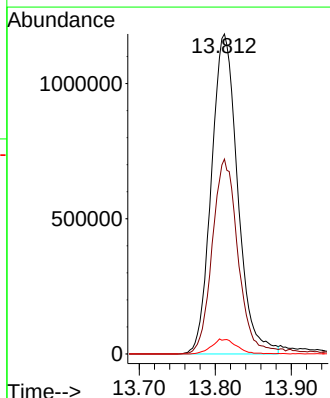
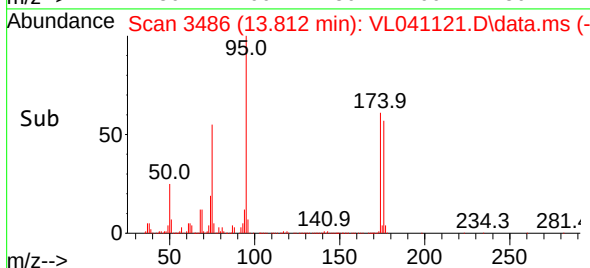
Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

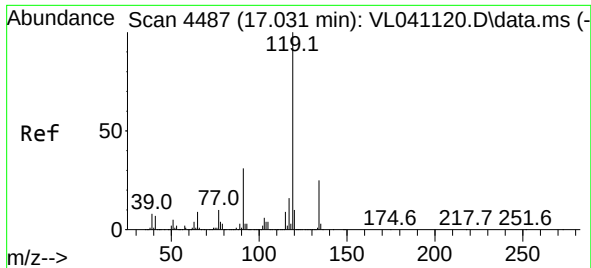


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.760 ppbv
 RT: 13.812 min Scan# 3486
 Delta R.T. -0.003 min
 Lab File: VL041121.D
 Acq: 4 Apr 2024 10:07



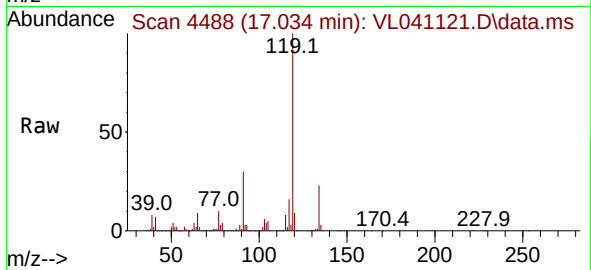
Tgt Ion: 95 Resp: 2841341
 Ion Ratio Lower Upper
 95 100
 174 61.6 49.3 73.9
 175 4.5 3.6 5.4





#69
p-Isopropyltoluene
Concen: 2.275 ppbv
RT: 17.034 min Scan# 4487
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

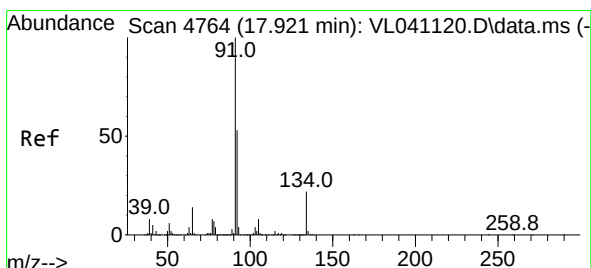
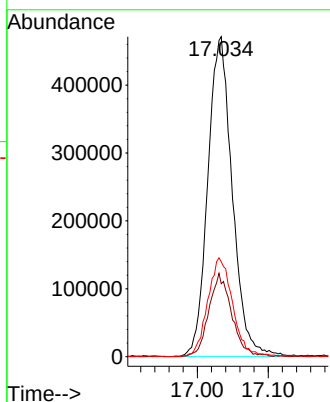
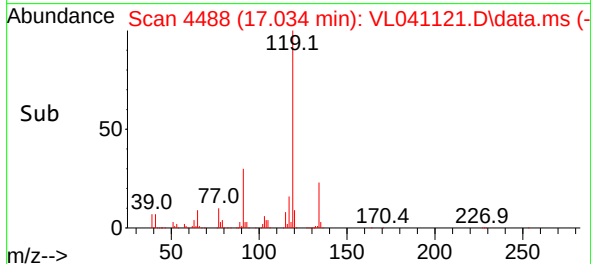
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 119 Resp: 1128280
Ion Ratio Lower Upper
119 100
134 24.4 20.5 30.7
91 31.8 24.8 37.2

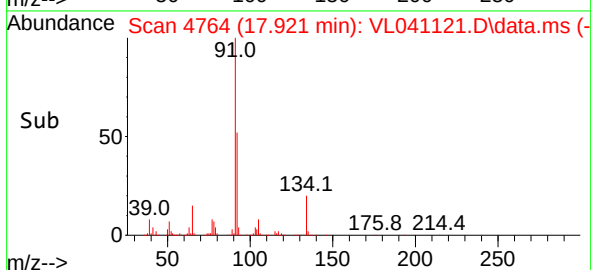
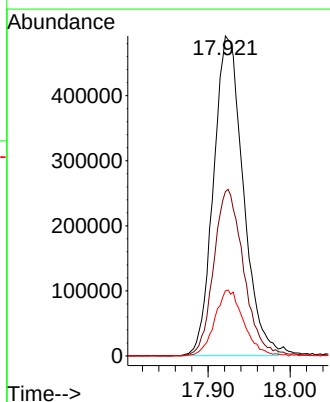
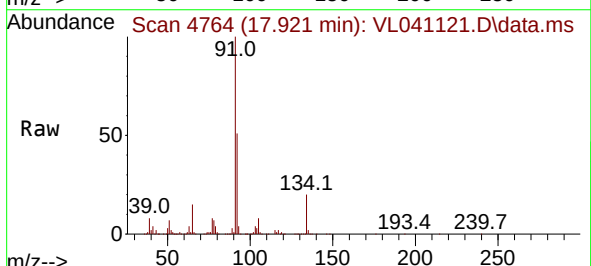
Manual Integrations
APPROVED

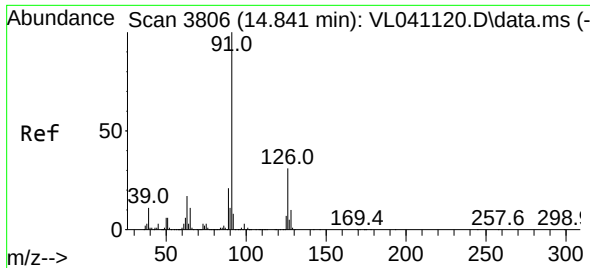
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#70
n-Butylbenzene
Concen: 2.285 ppbv
RT: 17.921 min Scan# 4764
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

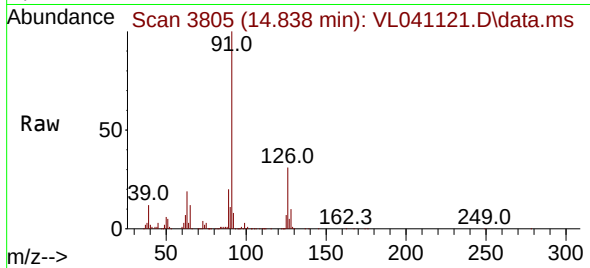
Tgt Ion: 91 Resp: 1234287
Ion Ratio Lower Upper
91 100
92 53.0 43.4 65.0
134 20.3 17.1 25.7





#71
2-Chlorotoluene
Concen: 2.192 ppbv
RT: 14.838 min Scan# 3806
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

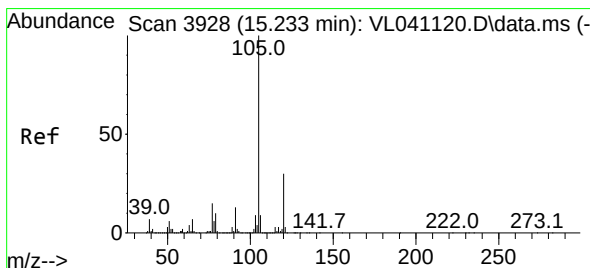
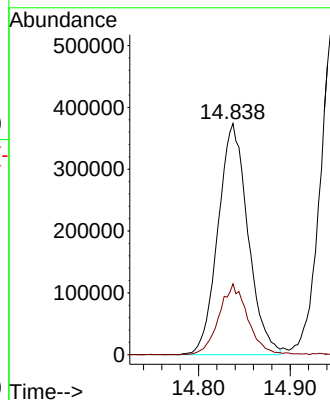
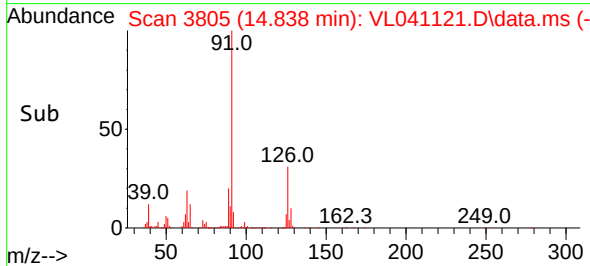
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 91 Resp: 847772
Ion Ratio Lower Upper
91 100
126 29.6 12.5 50.1

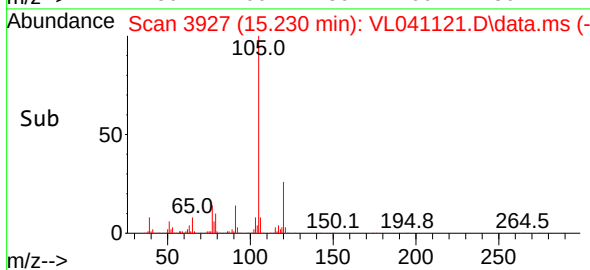
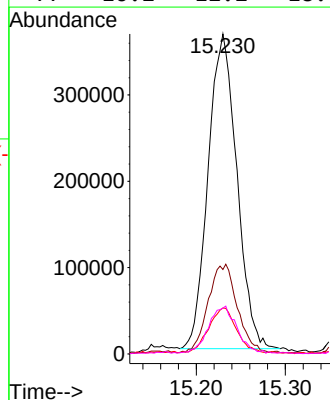
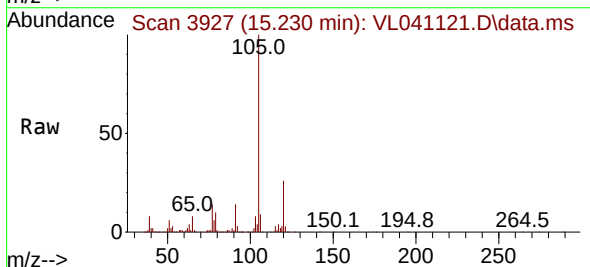
Manual Integrations
APPROVED

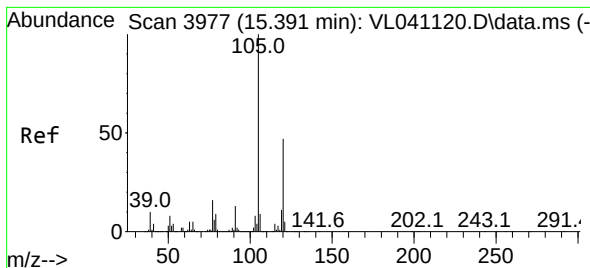
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024



#72
4-Ethyltoluene
Concen: 2.176 ppbv
RT: 15.230 min Scan# 3927
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

Tgt Ion:105 Resp: 816714
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 14.4 11.2 16.8
77 16.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 2.194 ppbv

RT: 15.387 min Scan# 3977

Delta R.T. -0.003 min

Lab File: VL041121.D

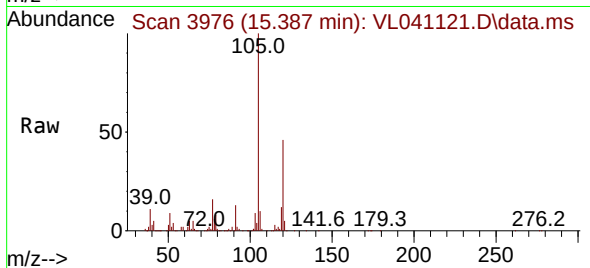
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:105 Resp: 732660

Ion Ratio Lower Upper

105 100

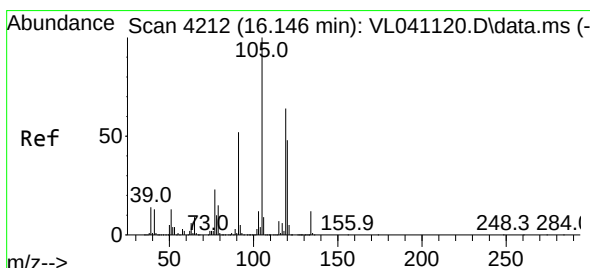
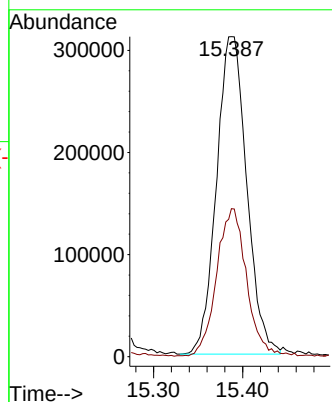
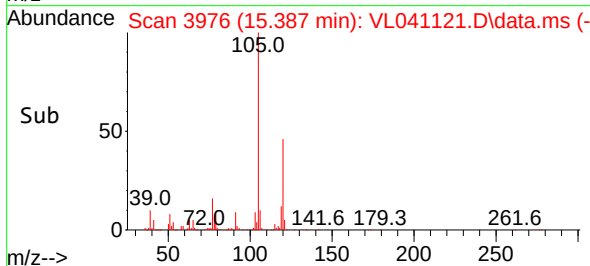
120 46.3 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024



#74

1,2,4-Trimethylbenzene

Concen: 2.217 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. -0.007 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Tgt Ion:105 Resp: 852802

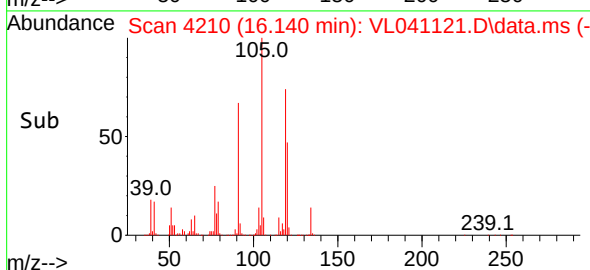
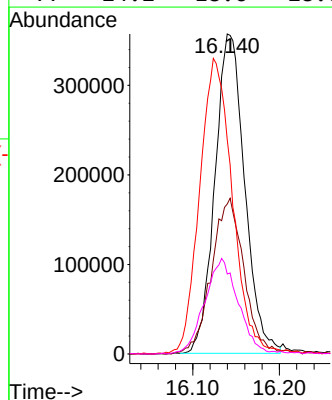
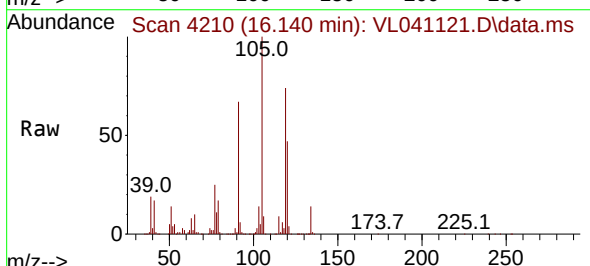
Ion Ratio Lower Upper

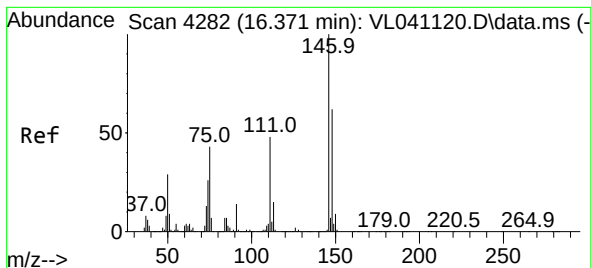
105 100

120 46.3 38.9 58.3

91 65.8 43.0 64.6#

77 24.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 2.175 ppbv

RT: 16.368 min Scan# 4282

Delta R.T. -0.003 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

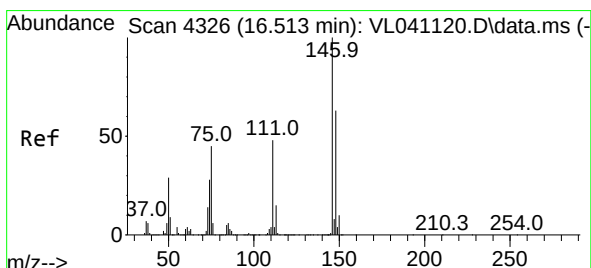
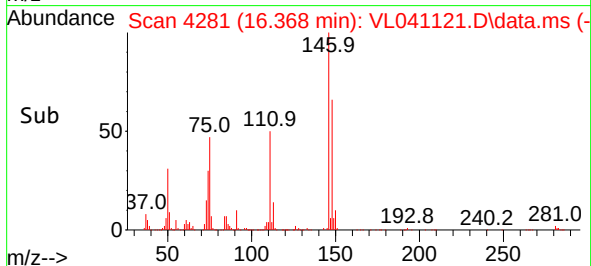
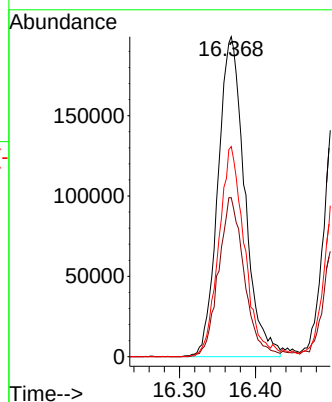
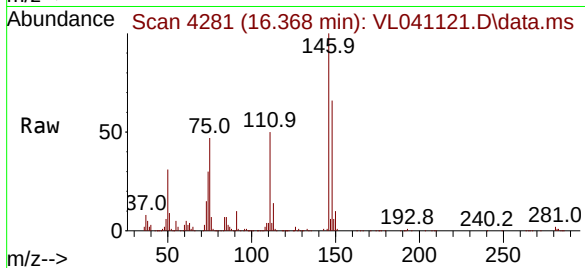
VSTDICC002

Tgt Ion:146 Resp: 485440
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.1 72.4
 148 64.1 32.0 96.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024



#76

1,4-Dichlorobenzene

Concen: 2.108 ppbv

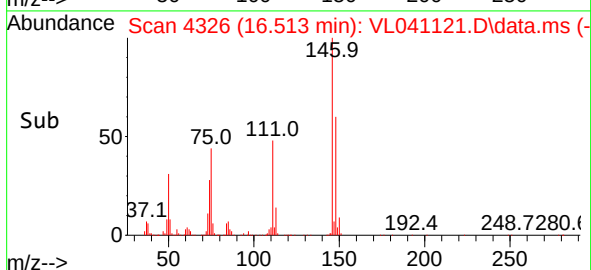
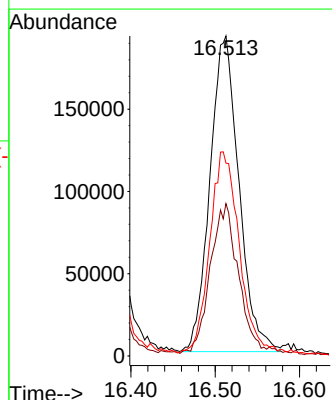
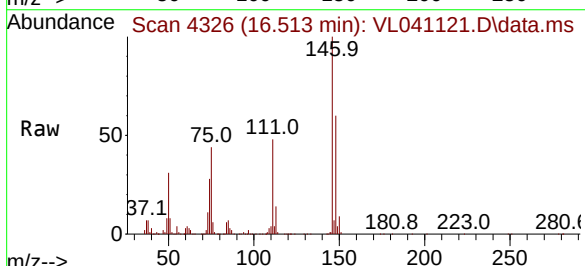
RT: 16.513 min Scan# 4326

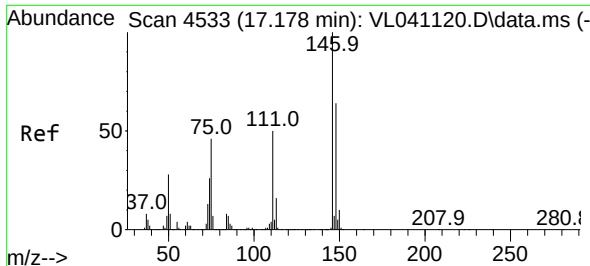
Delta R.T. -0.000 min

Lab File: VL041121.D

Acq: 4 Apr 2024 10:07

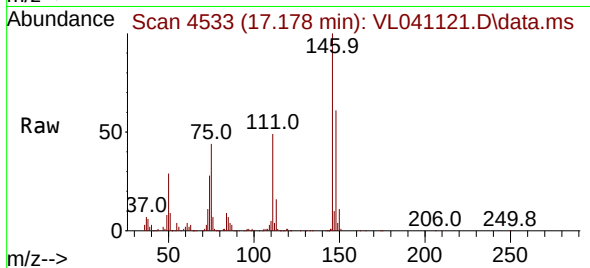
Tgt Ion:146 Resp: 458380
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.1 72.3
 148 68.5 33.1 99.2





#77
1,2-Dichlorobenzene
Concen: 2.231 ppbv m
RT: 17.178 min Scan# 4533
Delta R.T. -0.000 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

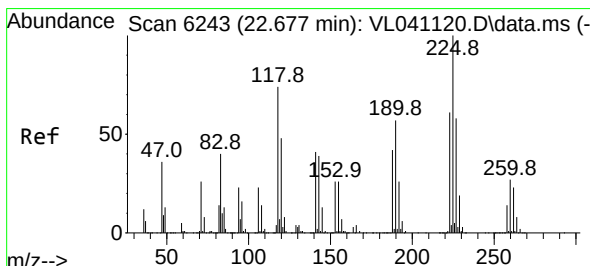
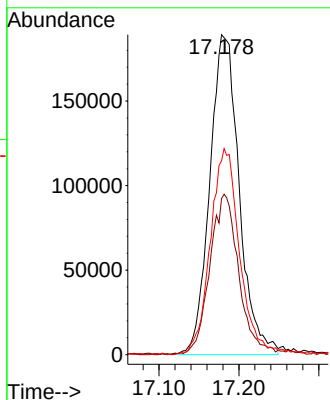
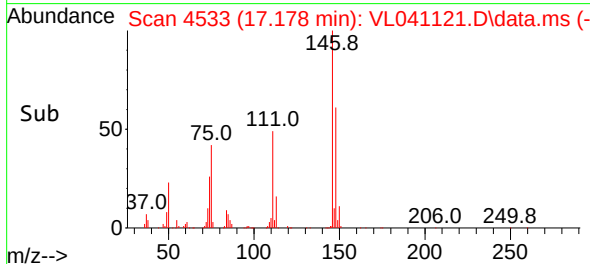
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



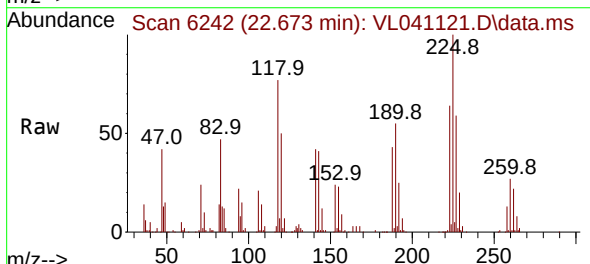
Tgt Ion:146 Resp: 484152
Ion Ratio Lower Upper
146 100
111 50.4 25.1 75.3
148 64.7 32.6 97.7

Manual Integrations
APPROVED

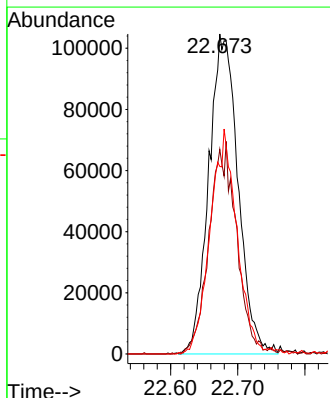
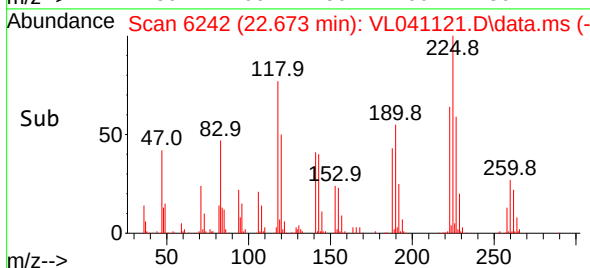
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

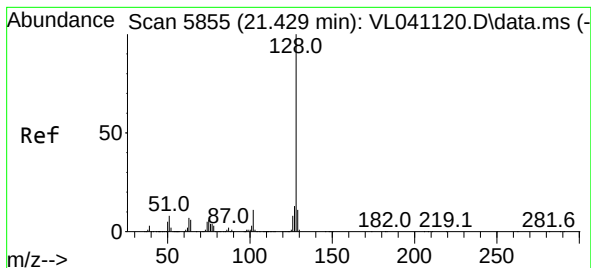


#78
Hexachloro-1,3-Butadiene
Concen: 2.207 ppbv m
RT: 22.673 min Scan# 6242
Delta R.T. -0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



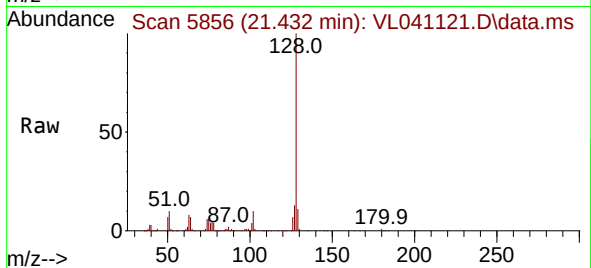
Tgt Ion:225 Resp: 317937
Ion Ratio Lower Upper
225 100
223 0.0 50.9 76.3#
227 0.0 51.3 76.9#





#79
Naphthalene
Concen: 2.495 ppbv
RT: 21.432 min Scan# 5855
Delta R.T. 0.003 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07

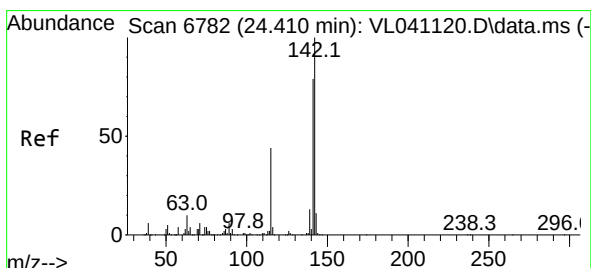
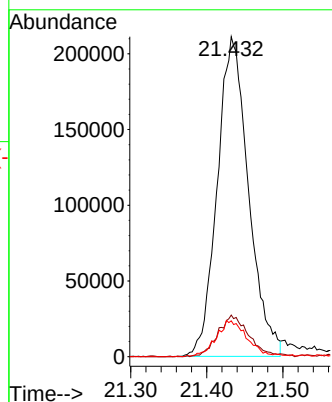
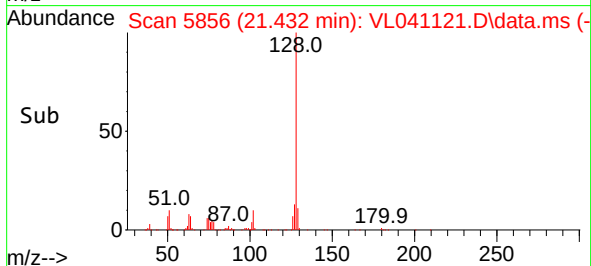
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



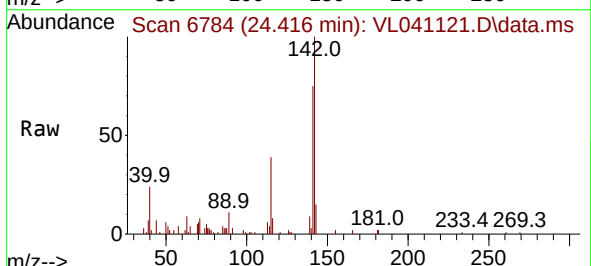
Tgt Ion:128 Resp: 60294
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.1 8.6 12.8

Manual Integrations
APPROVED

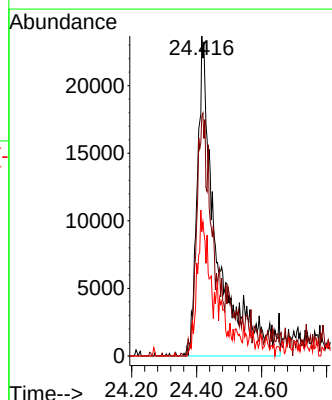
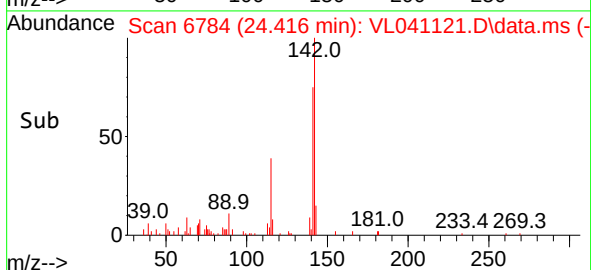
Reviewed By :Semsettin Yesilyurt 04/05/2024
Supervised By :Mahesh Dadoda 04/05/2024

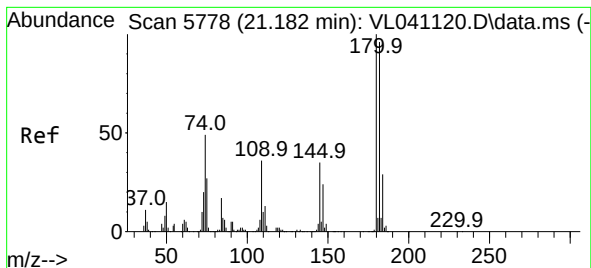


#80
Naphthalene,2-methyl-
Concen: 2.334 ppbv
RT: 24.416 min Scan# 6784
Delta R.T. 0.006 min
Lab File: VL041121.D
Acq: 4 Apr 2024 10:07



Tgt Ion:142 Resp: 98868
Ion Ratio Lower Upper
142 100
141 70.4 64.4 96.6
115 40.1 33.5 50.3





#81

1,2,4-Trichlorobenzene

Concen: 2.167 ppbv m

RT: 21.181 min Scan# 5

Delta R.T. -0.000 min

Lab File: VL041121.D

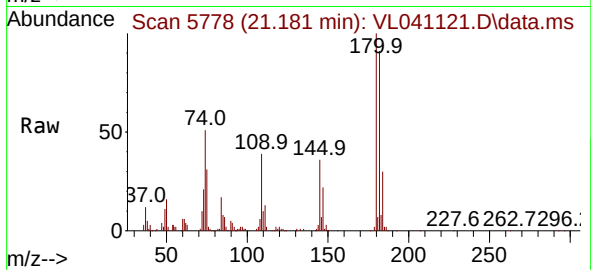
Acq: 4 Apr 2024 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 30173

Ion Ratio Lower Upper

180 100

182 98.9 77.4 116.2

184 30.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/05/2024

Supervised By :Mahesh Dadoda 04/05/2024

