

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040214.D
 Acq On : 22 Feb 2023 9:26
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 09:56:29 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 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	800926	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2146592	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	2078345	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1780916 10.421 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1738909	11.649	ppbv	99
3) Chlorodifluoromethane	2.664	51	1007247	10.527	ppbv	100
4) Chloromethane	2.803	50	625090	10.401	ppbv	97
5) Vinyl Chloride	2.909	62	538435	11.149	ppbv	99
6) Bromomethane	3.108	94	184833	10.604	ppbv	98
7) Chloroethane	3.185	64	203488	10.625	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	1379639	10.726	ppbv	99
9) Propene	2.684	41	407356	10.445	ppbv	99
10) Heptane	7.571	43	1035120	11.151	ppbv	98
11) Trichlorofluoromethane	3.552	101	1466500	10.949	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.053	101	1098590	11.119	ppbv	98
13) Ethanol	3.234	45	19562	5.448	ppbv	78
14) Bromoethene	3.356	108	424826	11.212	ppbv	99
15) Acetone	3.455	43	930477	9.650	ppbv	99
16) 1,3-Butadiene	2.973	39	495163	11.244	ppbv	100
17) tert-Butyl alcohol	3.867	59	878001	9.984	ppbv	99
18) 1,1-Dichloroethene	3.870	96	471347	10.979	ppbv	99
19) Isopropyl Alcohol	3.565	45	408280	8.907	ppbv	100
20) Methylene Chloride	3.922	84	396991	7.909	ppbv	94
21) Allyl Chloride	3.986	41	682468	11.539	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	502965	11.314	ppbv	95
23) Vinyl Acetate	4.616	43	296759	10.141	ppbv	98
24) 1,1-Dichloroethane	4.552	63	995116	10.879	ppbv	98
25) Ethyl Acetate	5.195	43	1808087	10.087	ppbv	99
26) Hexane	5.201	57	758235	9.853	ppbv	99
27) Carbon Disulfide	4.111	76	1188310	12.170	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	895687	10.863	ppbv	99
29) Chloroform	5.266	83	1361654	10.305	ppbv	98
30) Cyclohexane	6.590	84	686502	11.361	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	766953	10.490	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1398818	11.268	ppbv	99
34) 2-Butanone	4.774	43	1064134	10.050	ppbv	98
35) Carbon Tetrachloride	6.484	117	1457861	11.488	ppbv	99
36) Benzene	6.359	78	1714262	10.262	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1080742	10.344	ppbv	99
38) Trichloroethene	7.285	130	993621	10.794	ppbv	98
39) 1,2-Dichloropropane	7.063	63	649064	9.988	ppbv	95
40) 1,4-Dioxane	7.278	88	236973	9.116	ppbv	74
41) Tetrahydrofuran	5.545	42	641708	10.457	ppbv	99
42) Bromodichloromethane	7.240	83	1547440	10.731	ppbv	97
43) Methyl Methacrylate	7.465	69	673563	10.897	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	2873000	10.303	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	644222	11.749	ppbv	99

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

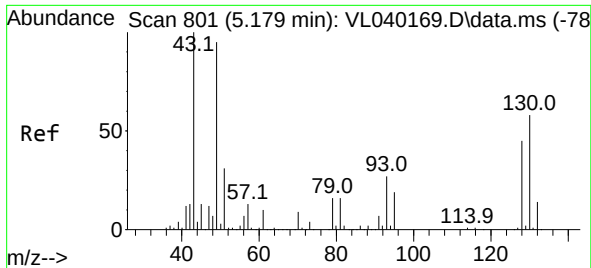
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	874047	11.442	ppbv	98
47) 1,1,2-Trichloroethane	8.892	97	712915	10.143	ppbv	97
48) Dibromochloromethane	9.703	129	1237794	11.010	ppbv	99
49) Bromoform	12.400	173	957949	10.917	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	1790696	10.891	ppbv	99
51) 2-Hexanone	9.542	43	1392466	11.012	ppbv	98
52) Tetrachloroethene	10.609	164	561201	10.758	ppbv	98
53) Toluene	9.211	91	1930868	10.792	ppbv	99
54) 1,2-Dibromoethane	10.002	107	794136	10.859	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	881926	10.109	ppbv #	94
57) Chlorobenzene	11.516	112	1490948	9.819	ppbv	98
58) Ethyl Benzene	12.082	91	2656939	10.522	ppbv	97
59) m/p-Xylene	12.368	91	4617916m	20.647	ppbv	
60) o-Xylene	13.053	91	2221731	10.324	ppbv	100
61) Styrene	12.892	104	1239532	10.971	ppbv	99
62) Isopropylbenzene	14.024	105	3121297	10.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	749422	9.663	ppbv	99
64) n-propylbenzene	14.908	120	784465	10.260	ppbv	96
65) tert-Butylbenzene	16.085	119	2698770	10.051	ppbv	98
66) Benzyl Chloride	16.323	91	170086	9.519	ppbv	98
67) sec-Butylbenzene	16.632	105	3826961	9.938	ppbv	99
69) p-Isopropyltoluene	16.992	119	3060276	10.024	ppbv	99
70) n-Butylbenzene	17.882	91	3295110	9.944	ppbv	100
71) 2-Chlorotoluene	14.796	91	2371549	10.038	ppbv	99
72) 4-Ethyltoluene	15.188	105	2486948	10.454	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2206573	9.968	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	2415992	9.936	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1289308	9.689	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1252943	9.609	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	1229772	9.304	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	818010	9.008	ppbv	100
79) Naphthalene	21.381	128	1610768	11.791	ppbv	97
80) Naphthalene,2-methyl-	24.371	142	337529	8.689	ppbv	98
81) 1,2,4-Trichlorobenzene	21.133	180	869973	10.177	ppbv	97

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



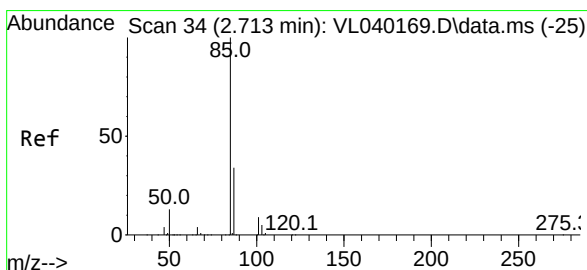
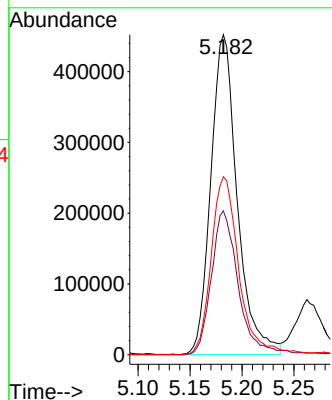
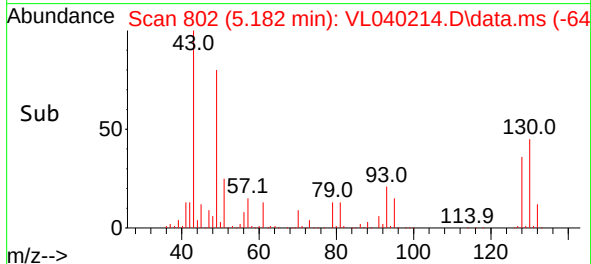
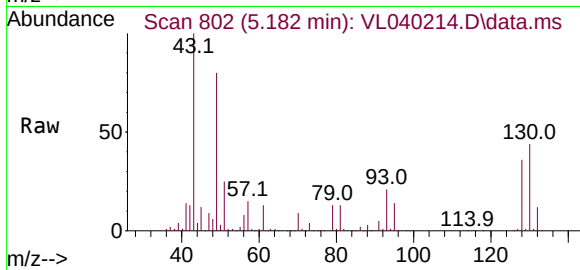
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 800920
Ion Ratio Lower Upper
49 100
128 46.7 24.1 72.3
130 59.4 30.9 92.8

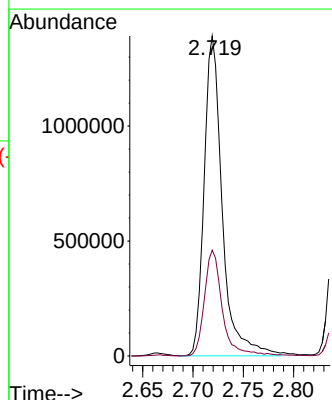
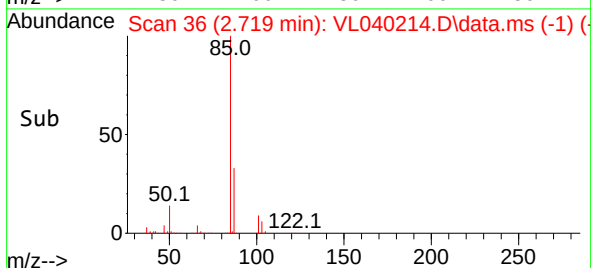
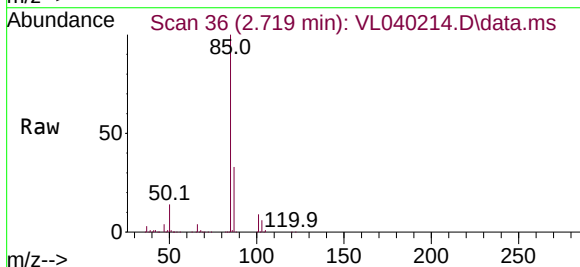
Manual Integrations
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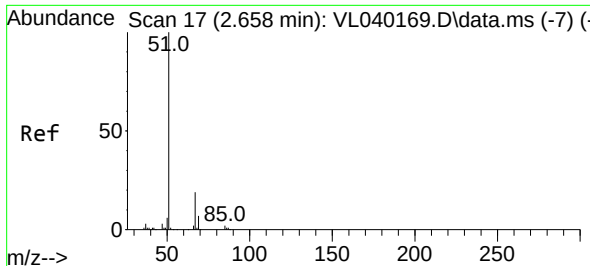
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 11.649 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.006 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 85 Resp: 1738909
Ion Ratio Lower Upper
85 100
87 33.1 27.0 40.6





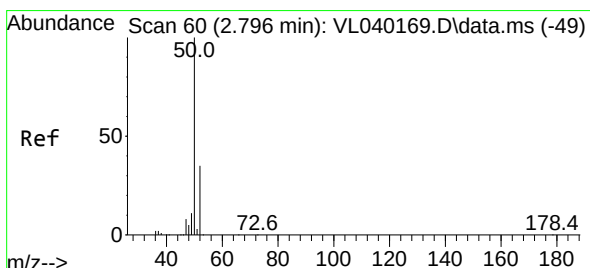
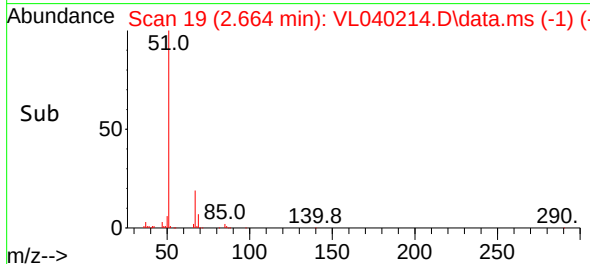
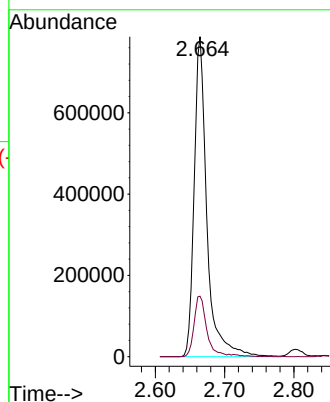
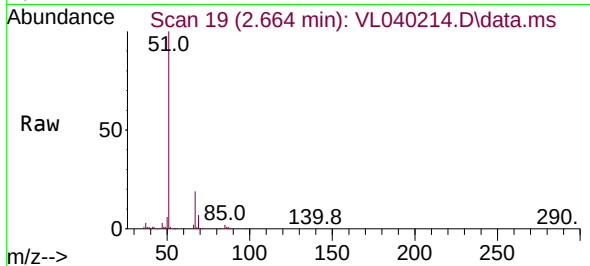
#3
Chlorodifluoromethane
Concen: 10.527 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 100724
Ion Ratio Lower Upper
51 100
67 19.5 15.4 23.2

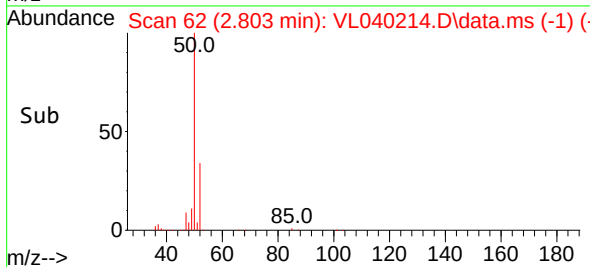
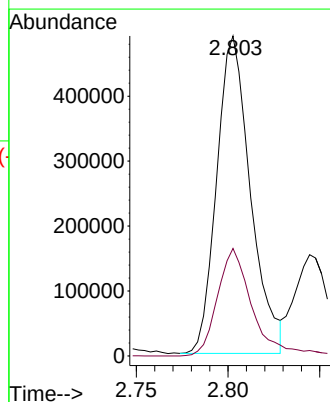
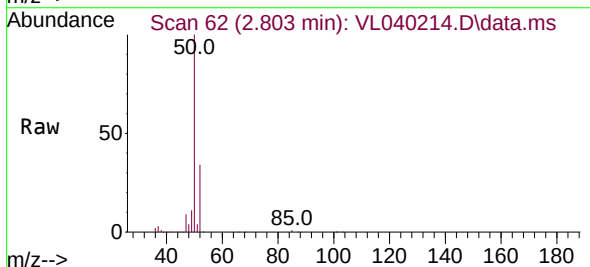
Manual Integrations
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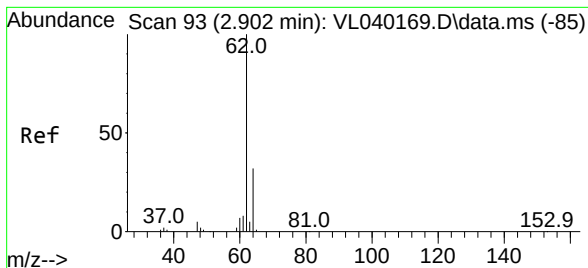
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Chloromethane
Concen: 10.401 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.007 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

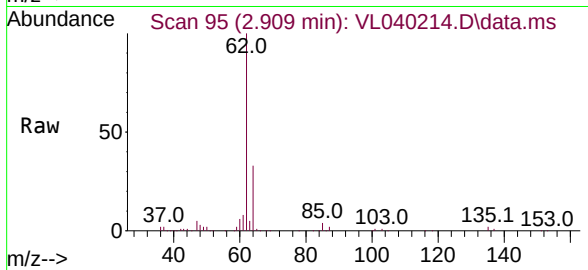
Tgt Ion: 50 Resp: 625090
Ion Ratio Lower Upper
50 100
52 33.9 28.3 42.5





#5
 Vinyl Chloride
 Concen: 11.149 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.007 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

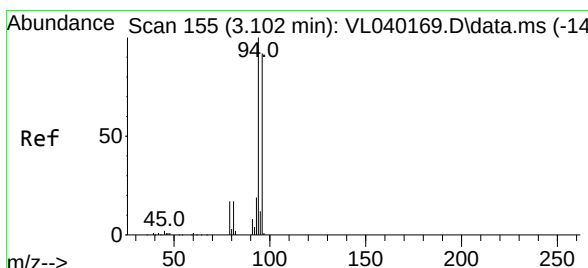
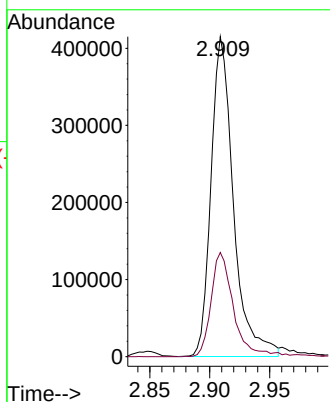
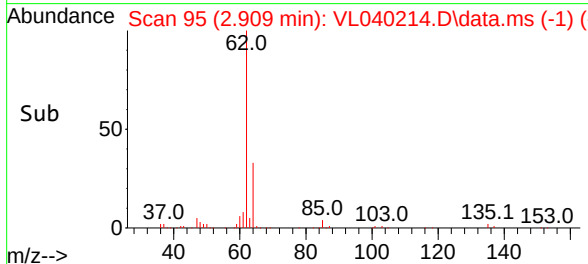
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 62 Resp: 53843
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.6 38.4

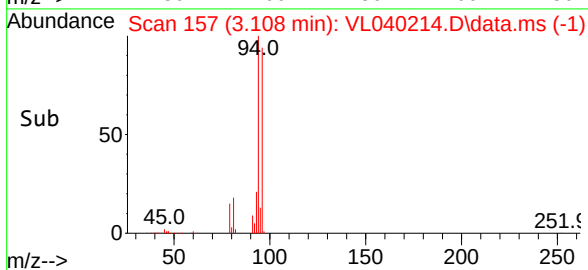
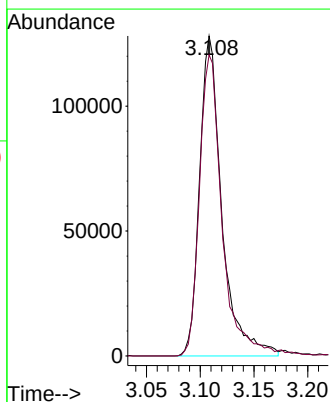
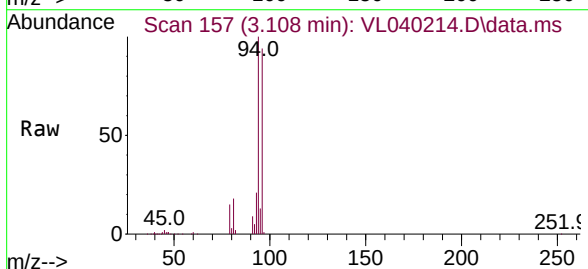
Manual Integrations
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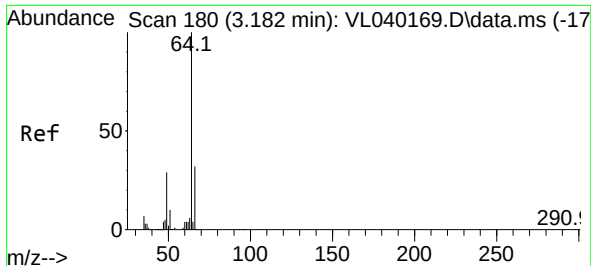
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#6
 Bromomethane
 Concen: 10.604 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.006 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

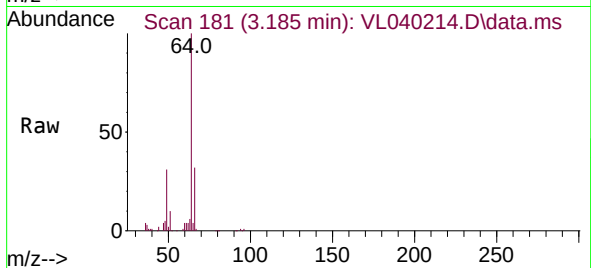
Tgt Ion: 94 Resp: 184833
 Ion Ratio Lower Upper
 94 100
 96 94.0 73.4 110.2





#7
Chloroethane
Concen: 10.625 ppbv
RT: 3.185 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

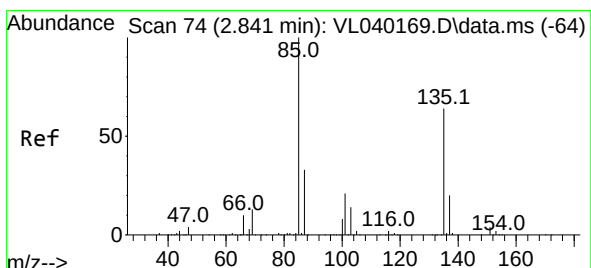
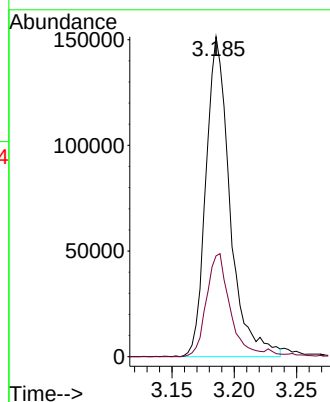
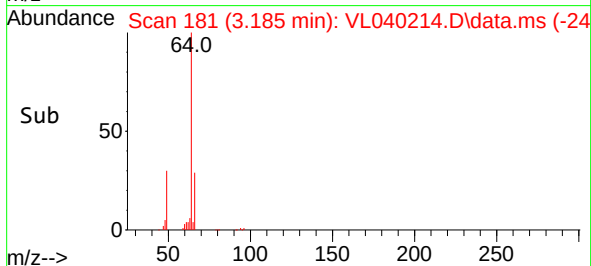
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 64 Resp: 203488
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.2

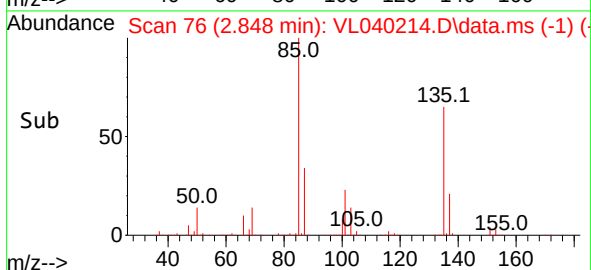
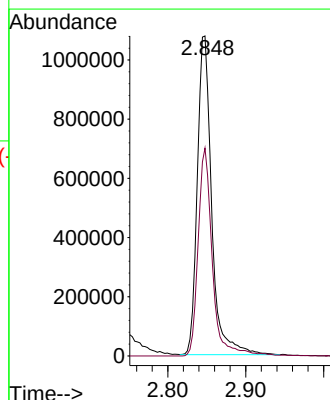
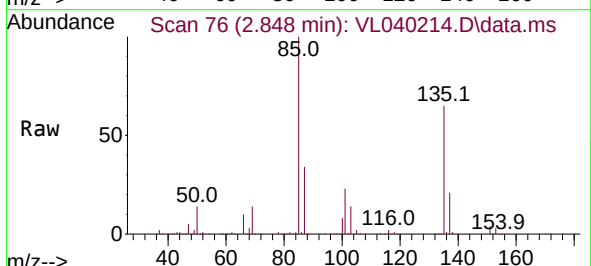
Manual Integrations
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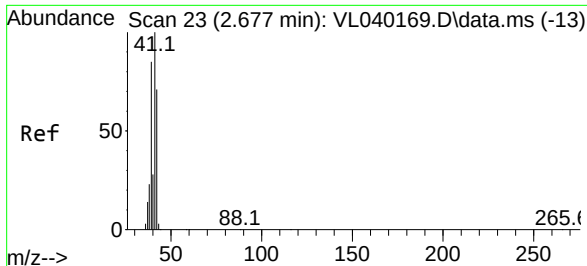
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#8
Dichlorotetrafluoroethane
Concen: 10.726 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.007 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 85 Resp: 1379639
Ion Ratio Lower Upper
85 100
135 64.8 51.5 77.3





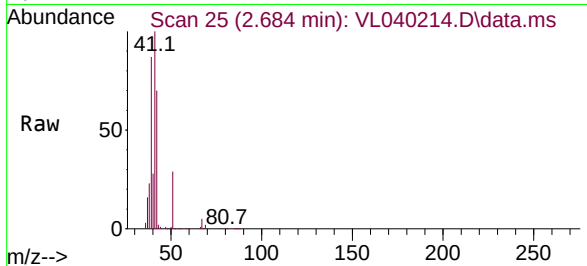
#9
 Propene
 Concen: 10.445 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

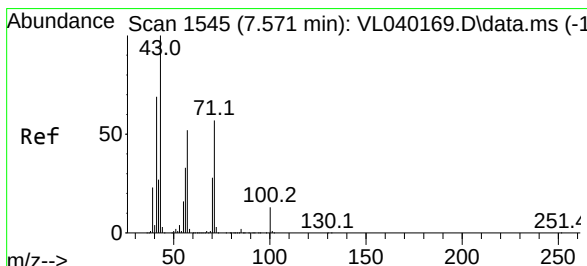
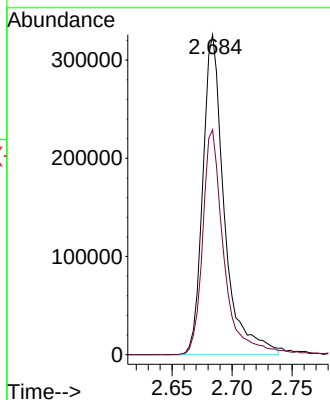
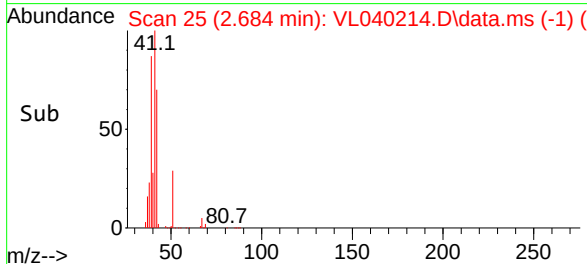


Tgt Ion: 41 Resp: 407350
 Ion Ratio Lower Upper
 41 100
 42 70.3 56.9 85.3

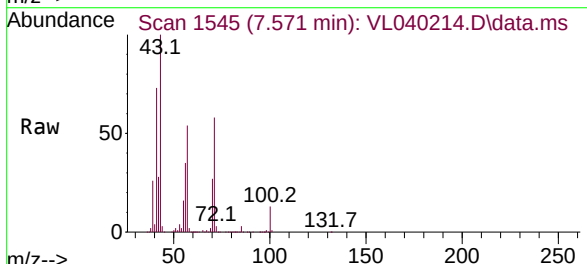
Manual Integrations

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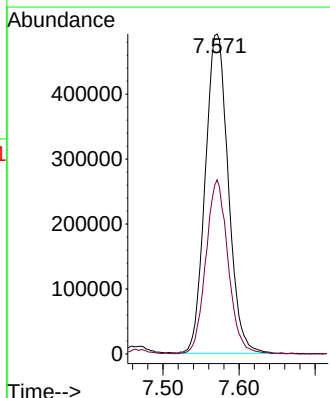
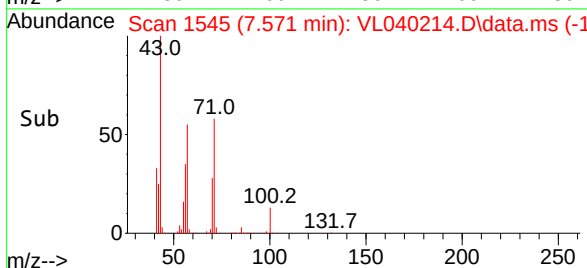
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

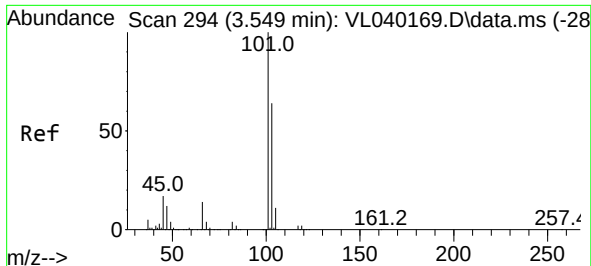


#10
 Heptane
 Concen: 11.151 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.000 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26



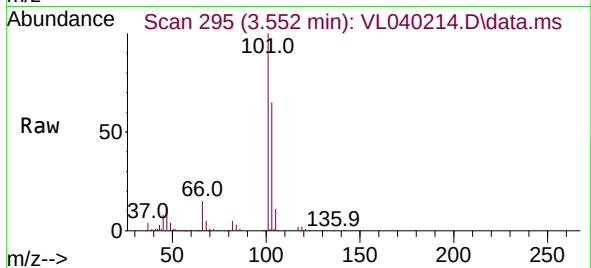
Tgt Ion: 43 Resp: 1035120
 Ion Ratio Lower Upper
 43 100
 57 52.9 41.4 62.2





#11
Trichlorofluoromethane
Concen: 10.949 ppbv
RT: 3.552 min Scan# 294
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

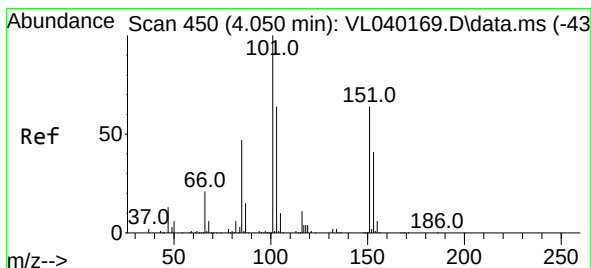
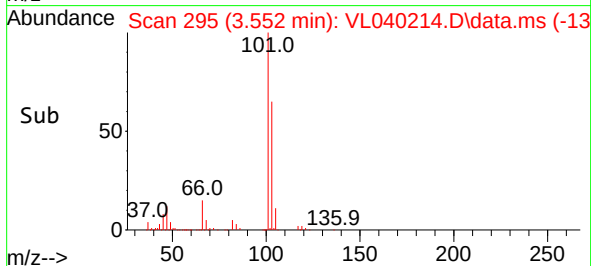
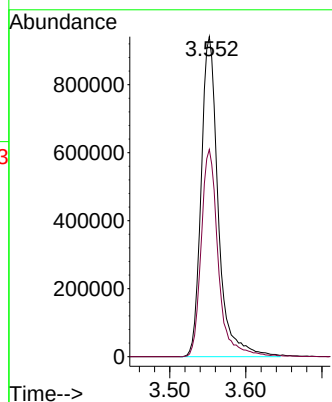
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:101 Resp: 1466500
Ion Ratio Lower Upper
101 100
103 64.7 51.0 76.6

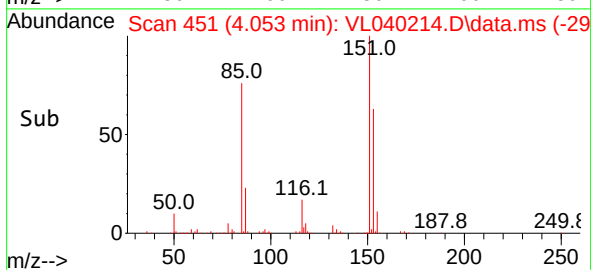
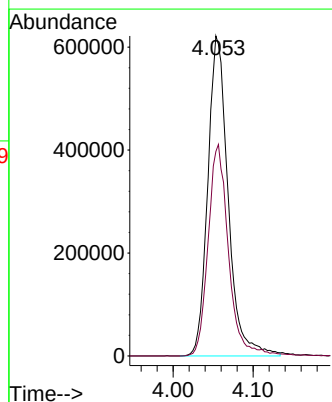
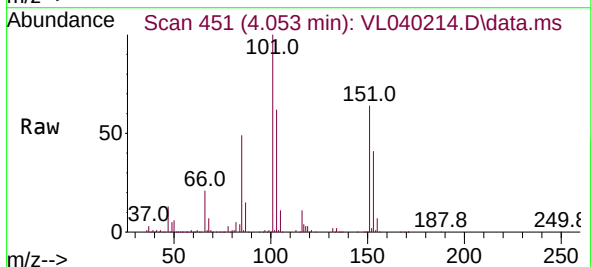
Manual Integrations
APPROVED

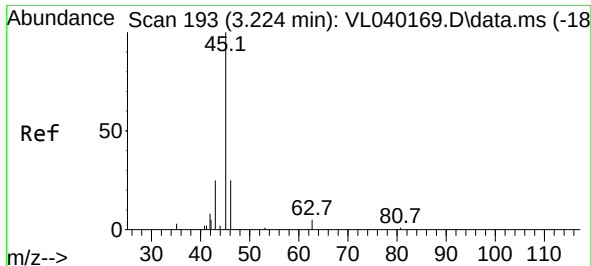
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.119 ppbv
RT: 4.053 min Scan# 451
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion:101 Resp: 1098590
Ion Ratio Lower Upper
101 100
151 66.5 54.7 82.1





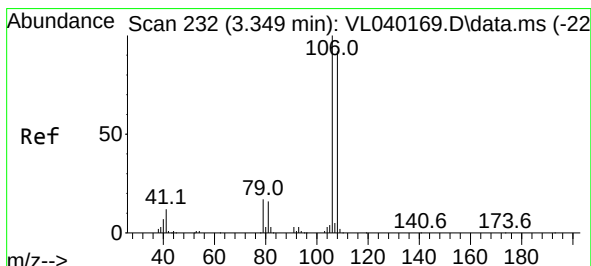
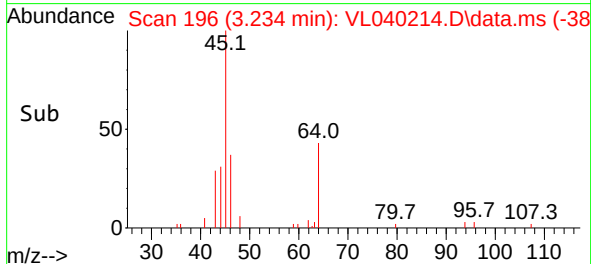
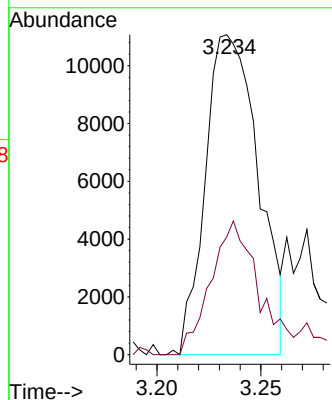
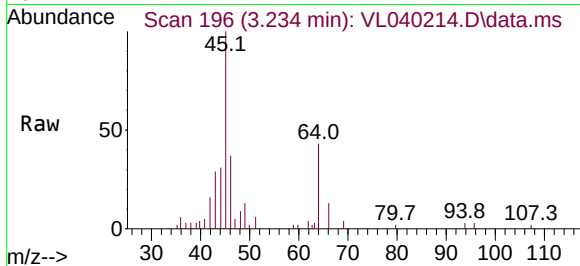
#13
Ethanol
Concen: 5.448 ppbv
RT: 3.234 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 1956
Ion Ratio Lower Upper
45 100
46 45.9 13.3 53.1

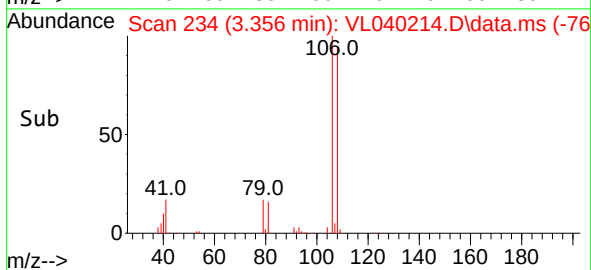
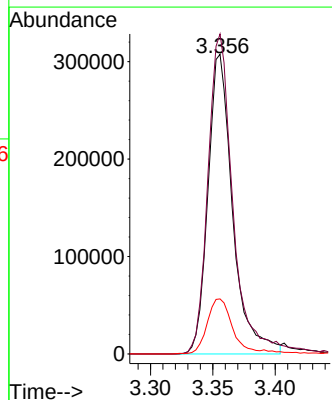
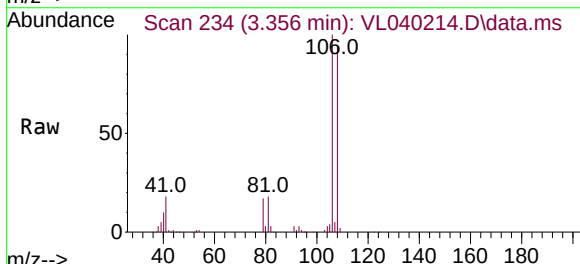
Manual Integrations
APPROVED

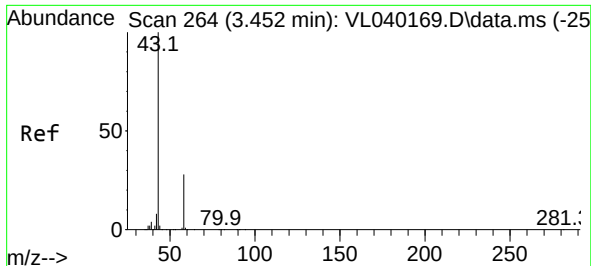
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#14
Bromoethene
Concen: 11.212 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.007 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

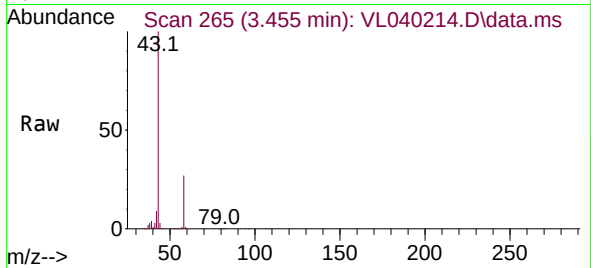
Tgt Ion:108 Resp: 424826
Ion Ratio Lower Upper
108 100
106 110.3 87.1 130.7
79 20.2 15.4 23.2





#15
Acetone
Concen: 9.650 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

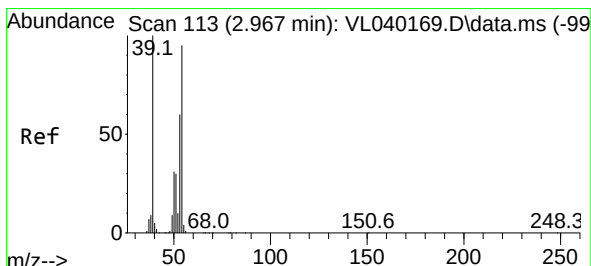
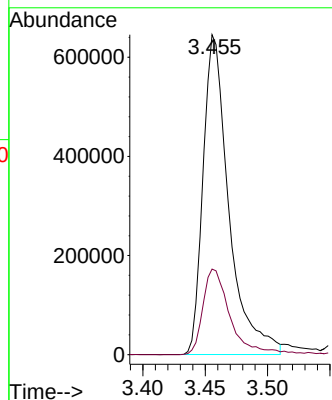
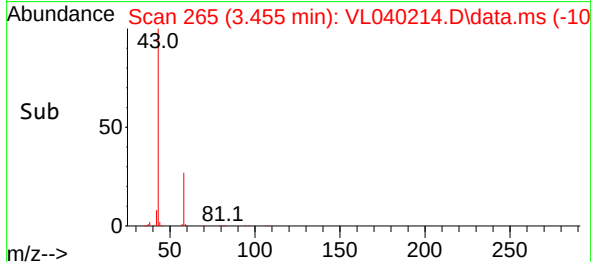
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 93047
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6

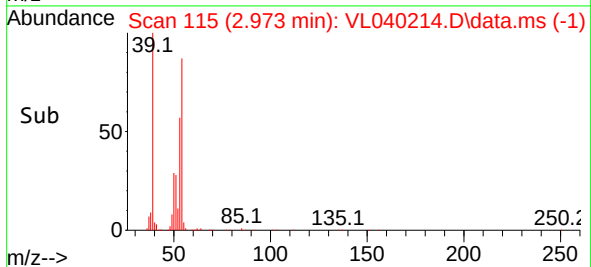
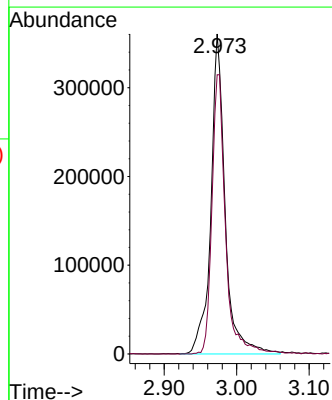
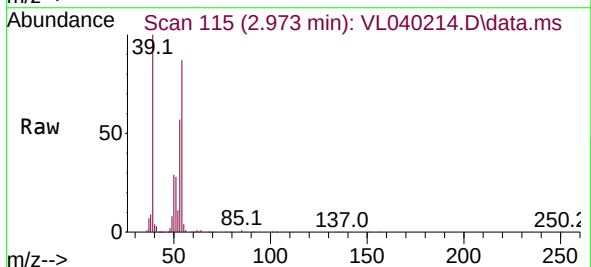
Manual Integrations
APPROVED

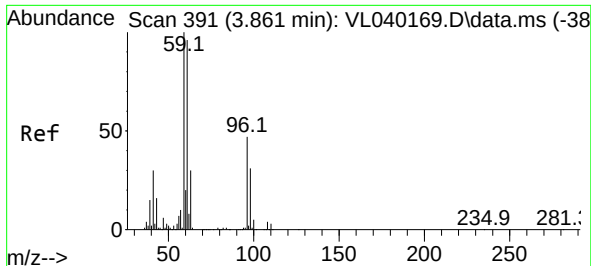
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#16
1,3-Butadiene
Concen: 11.244 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.006 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 39 Resp: 495163
Ion Ratio Lower Upper
39 100
54 83.2 66.7 100.1





#17

tert-Butyl alcohol

Concen: 9.984 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.006 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 87800

Ion Ratio Lower Upper

59 100

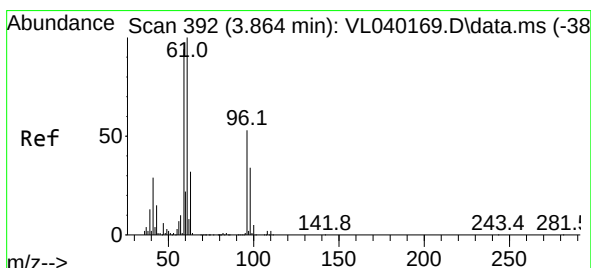
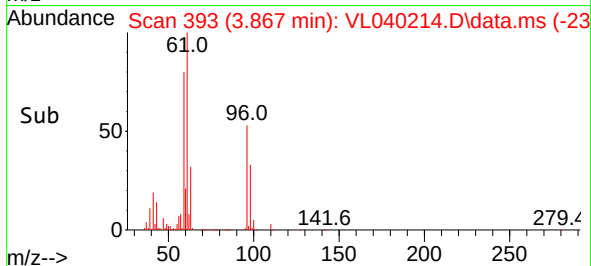
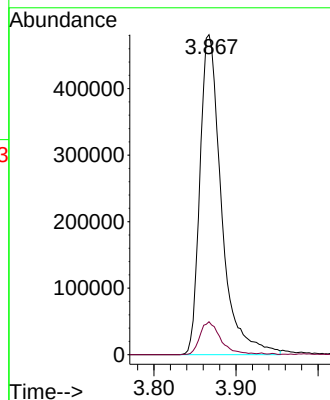
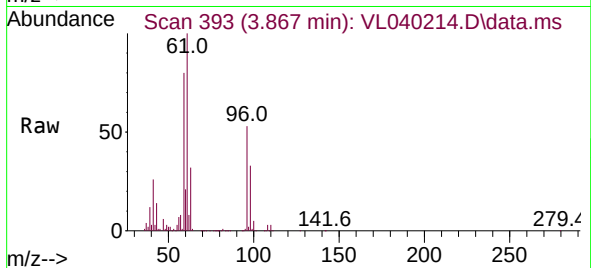
57 10.3 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#18

1,1-Dichloroethene

Concen: 10.979 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.006 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

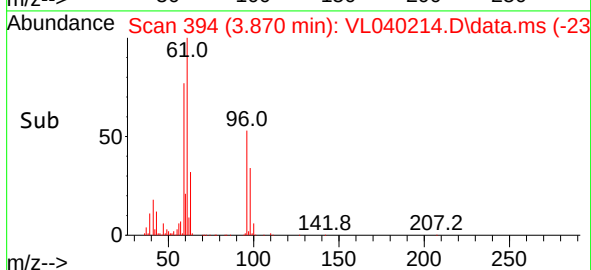
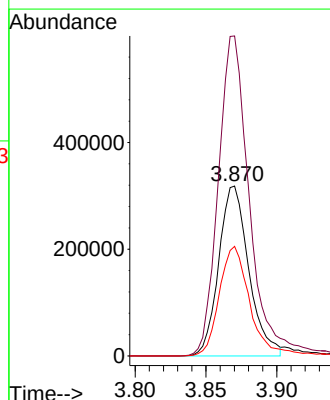
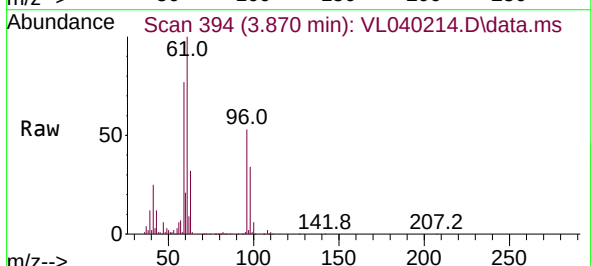
Tgt Ion: 96 Resp: 471347

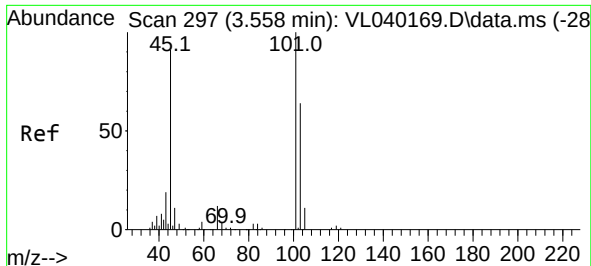
Ion Ratio Lower Upper

96 100

61 188.4 149.6 224.4

98 64.5 51.1 76.7





#19

Isopropyl Alcohol

Concen: 8.907 ppbv

RT: 3.565 min Scan# 297

Delta R.T. 0.007 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 408280

Ion Ratio Lower Upper

45 100

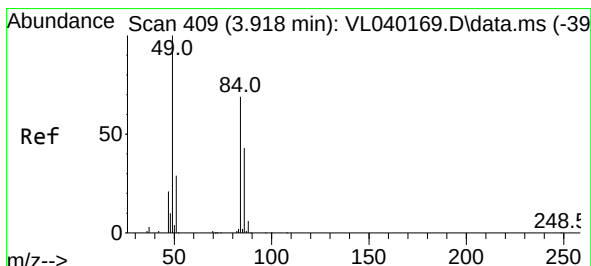
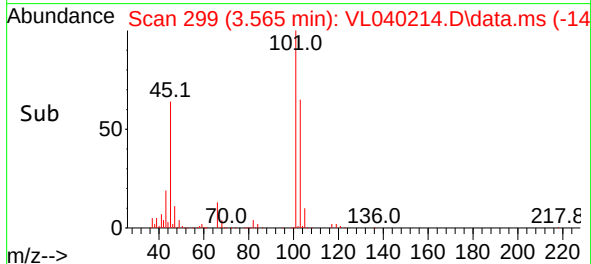
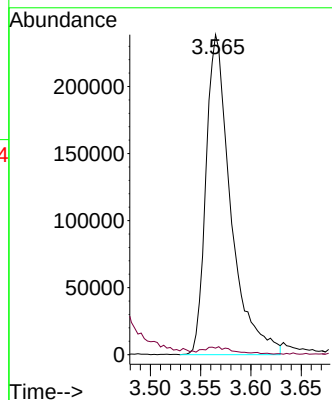
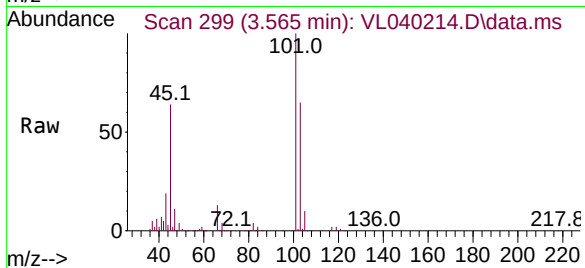
58 3.2 2.6 3.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#20

Methylene Chloride

Concen: 7.909 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.004 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Tgt Ion: 84 Resp: 396991

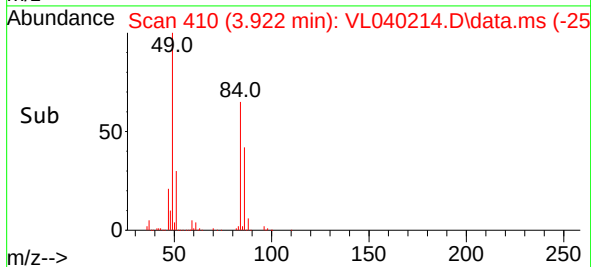
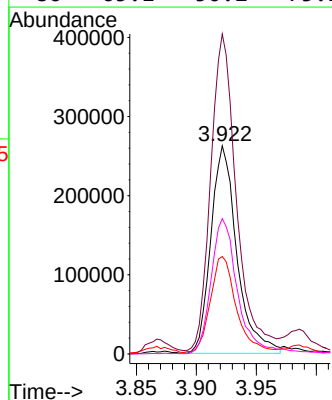
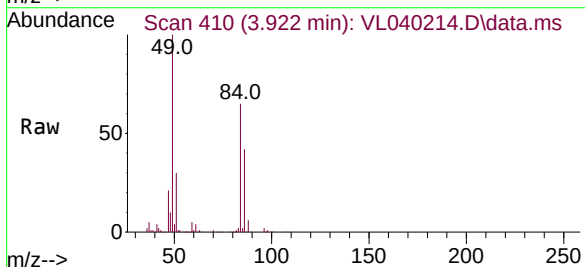
Ion Ratio Lower Upper

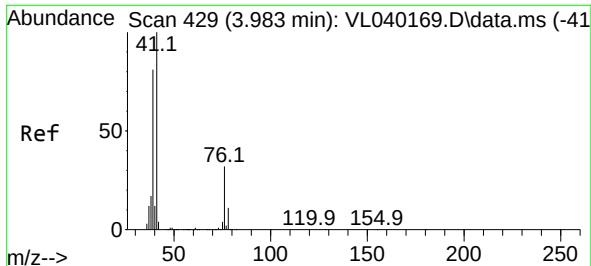
84 100

49 152.3 115.5 173.3

51 46.1 33.1 49.7

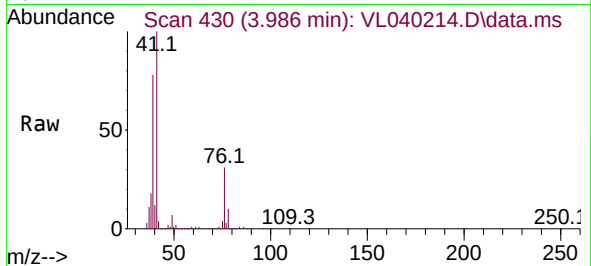
86 65.1 50.2 75.2





#21
 Allyl Chloride
 Concen: 11.539 ppbv
 RT: 3.986 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

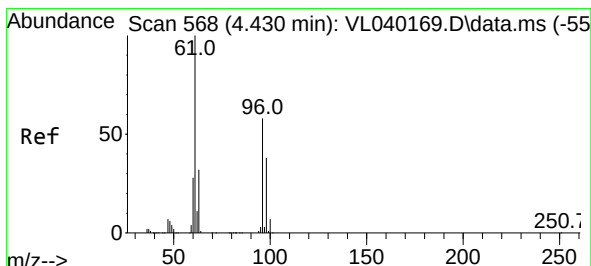
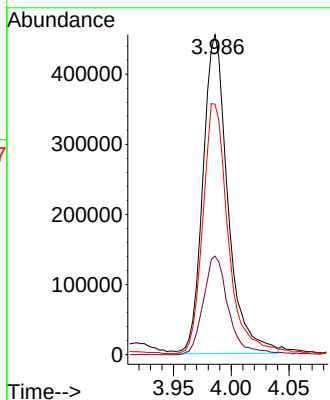
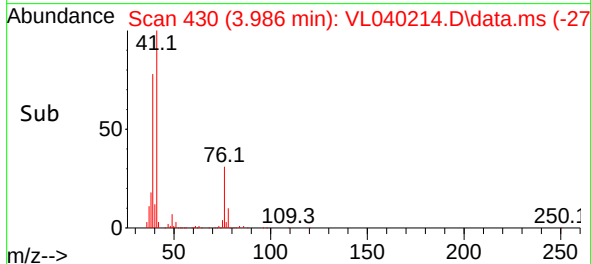
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 41 Resp: 682468
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.5 38.3
 39 80.1 64.5 96.7

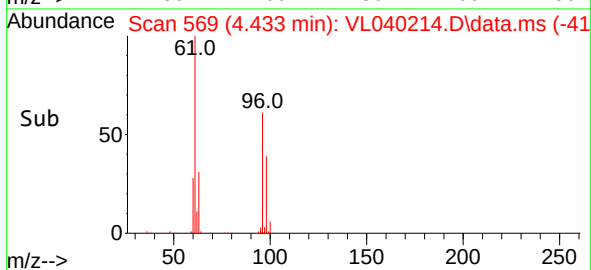
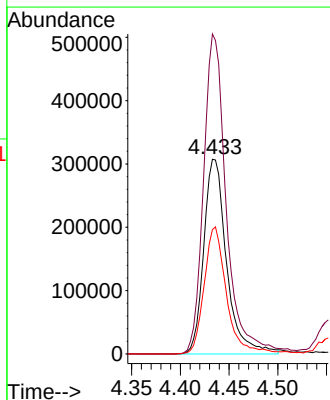
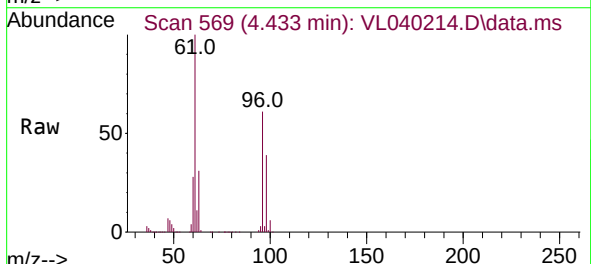
Manual Integrations
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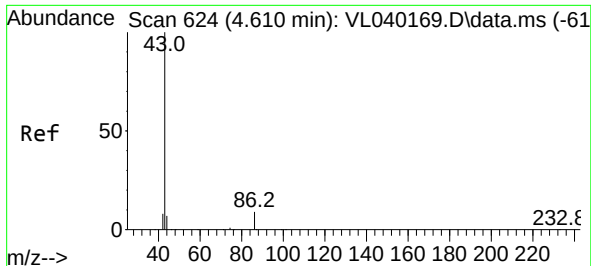
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#22
 trans-1,2-Dichloroethene
 Concen: 11.314 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.003 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Tgt Ion: 96 Resp: 502965
 Ion Ratio Lower Upper
 96 100
 61 164.1 137.5 206.3
 98 63.7 52.8 79.2





#23
 Vinyl Acetate
 Concen: 10.141 ppbv
 RT: 4.616 min Scan# 610
 Delta R.T. 0.006 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

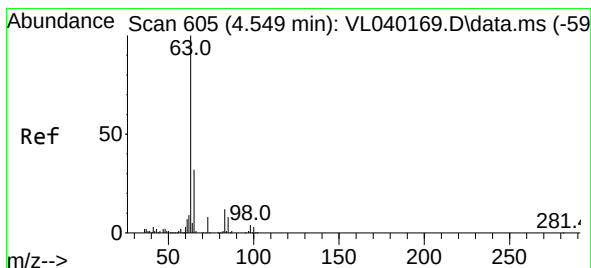
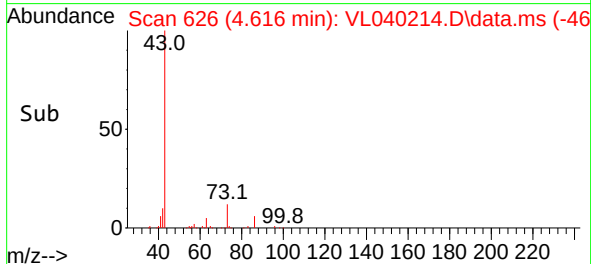
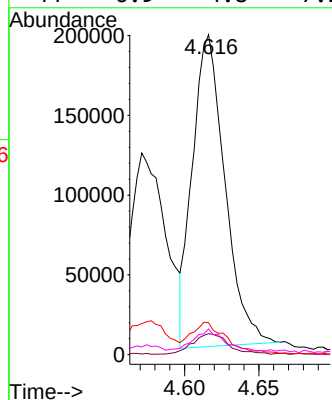
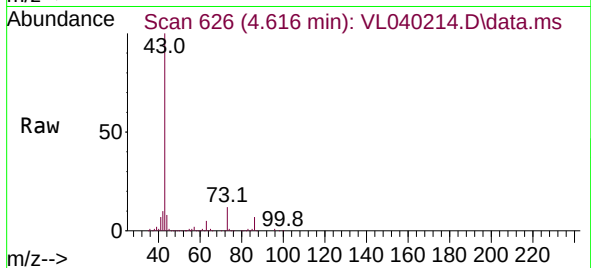
VSTDCCC010EC

Tgt Ion: 43 Resp: 296759
 Ion Ratio Lower Upper
 43 100
 86 6.4 5.6 8.4
 42 10.0 7.6 11.4
 44 6.9 4.8 7.2

Manual Integrations

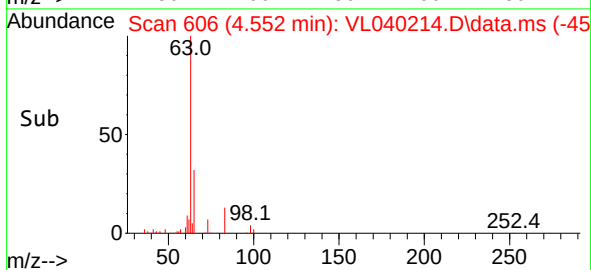
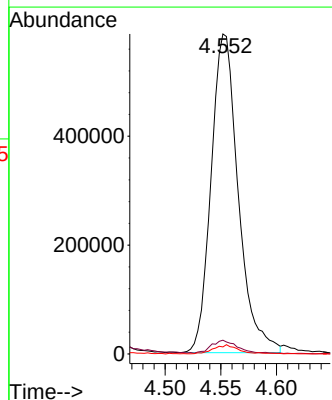
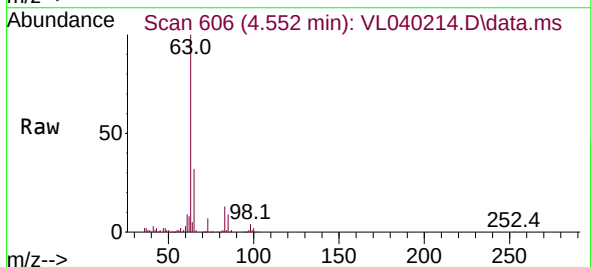
APPROVED

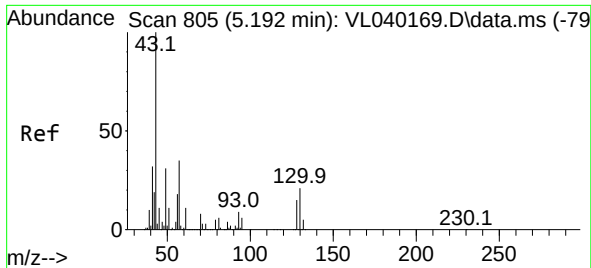
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#24
 1,1-Dichloroethane
 Concen: 10.879 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Tgt Ion: 63 Resp: 995116
 Ion Ratio Lower Upper
 63 100
 98 4.0 2.3 6.8
 100 2.2 1.4 4.0





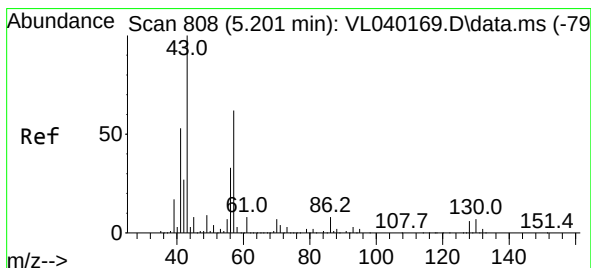
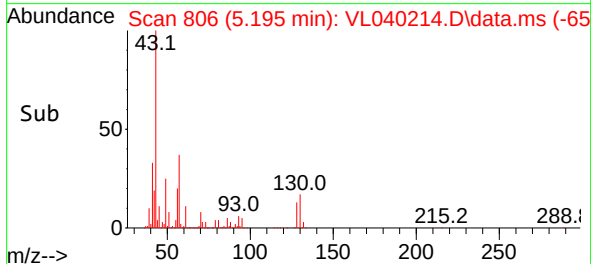
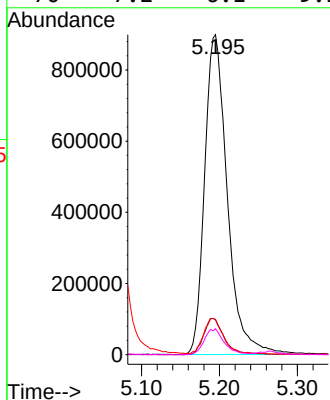
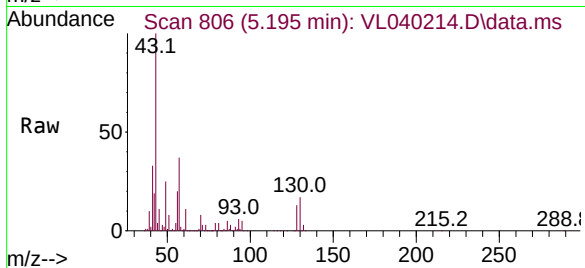
#25
Ethyl Acetate
Concen: 10.087 ppbv
RT: 5.195 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 180808
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 10.4 8.4 12.6
70 7.2 6.1 9.1

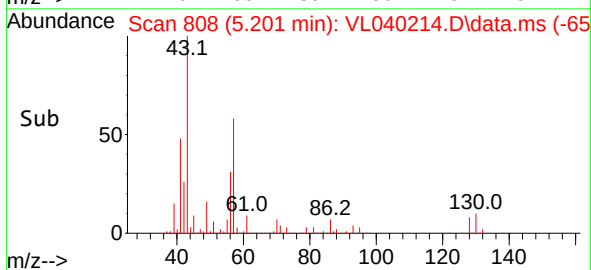
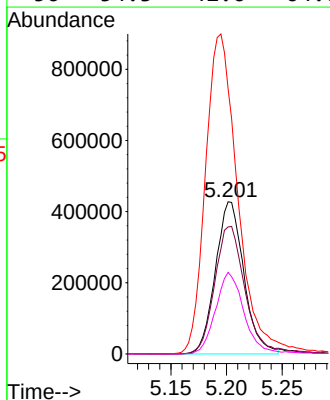
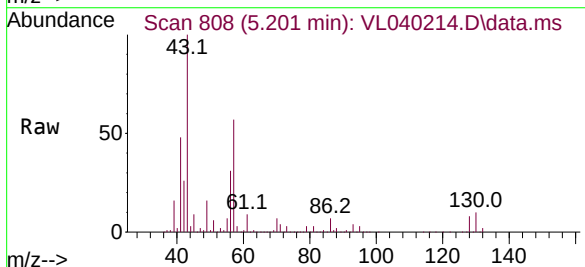
Manual Integrations
APPROVED

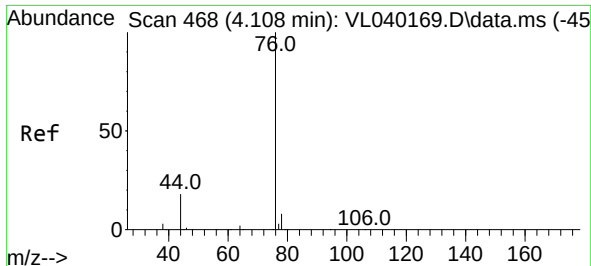
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
Hexane
Concen: 9.853 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

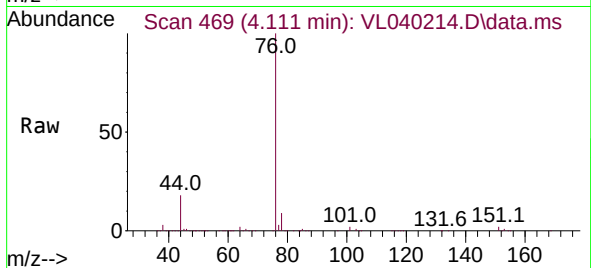
Tgt Ion: 57 Resp: 758235
Ion Ratio Lower Upper
57 100
41 91.2 74.3 111.5
43 240.4 193.0 289.4
56 54.3 42.6 64.0





#27
Carbon Disulfide
Concen: 12.170 ppbv
RT: 4.111 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

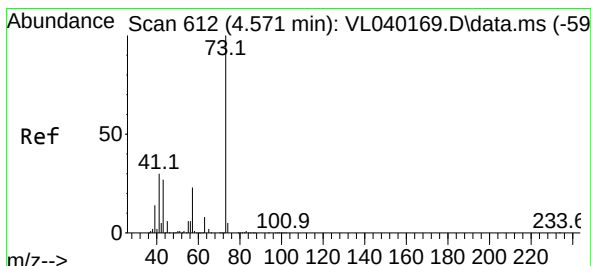
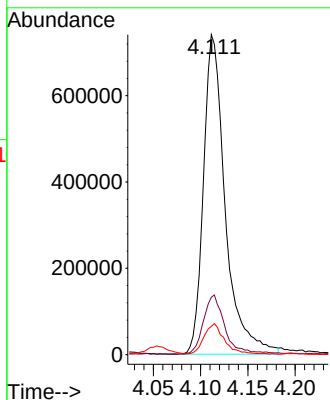
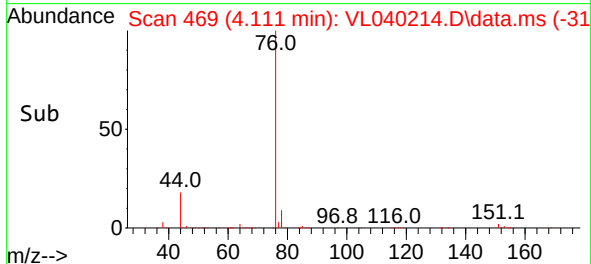
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



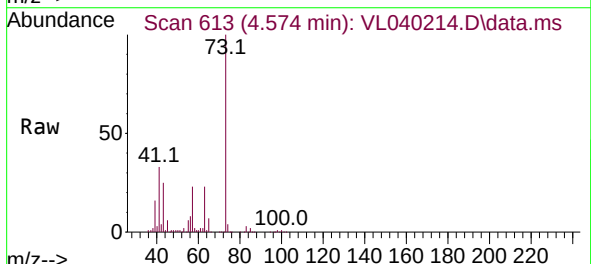
Tgt Ion: 76 Resp: 1188310
Ion Ratio Lower Upper
76 100
44 18.0 15.3 22.9
78 9.4 7.7 11.5

Manual Integrations
APPROVED

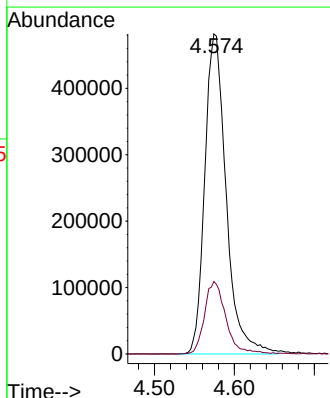
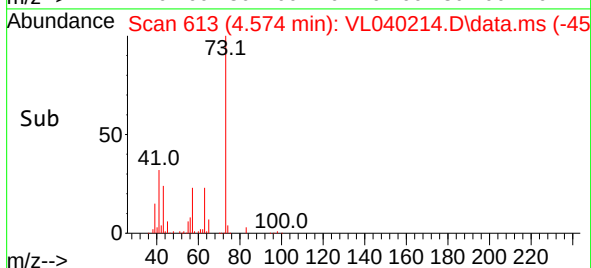
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

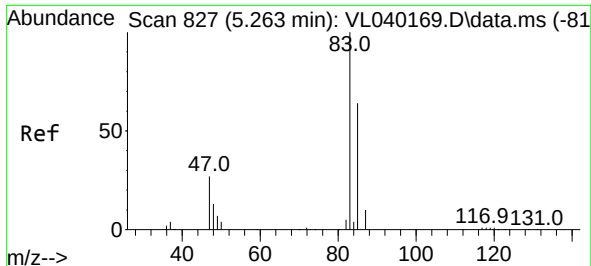


#28
Methyl tert-Butyl Ether
Concen: 10.863 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



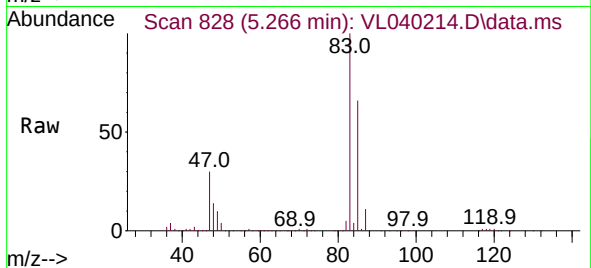
Tgt Ion: 73 Resp: 895687
Ion Ratio Lower Upper
73 100
57 22.8 18.8 28.2





#29
Chloroform
Concen: 10.305 ppbv
RT: 5.266 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

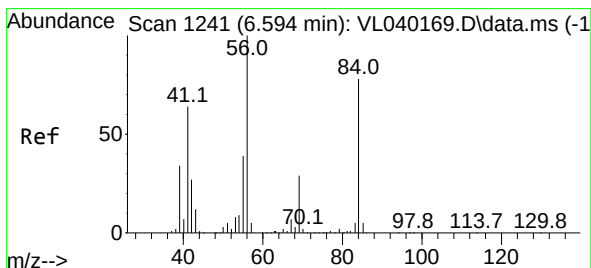
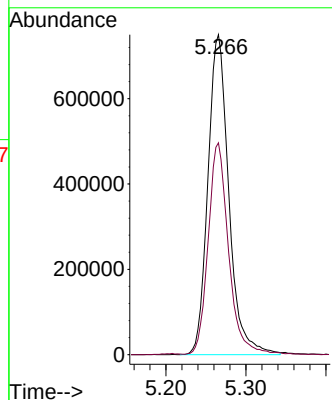
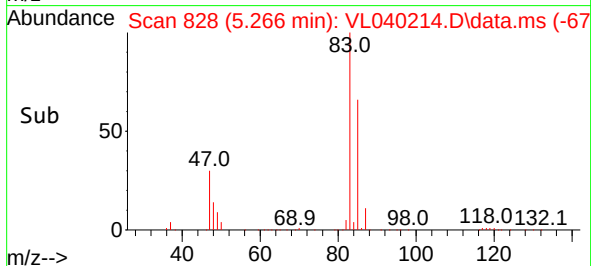
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 83 Resp: 1361654
Ion Ratio Lower Upper
83 100
85 66.0 51.5 77.3

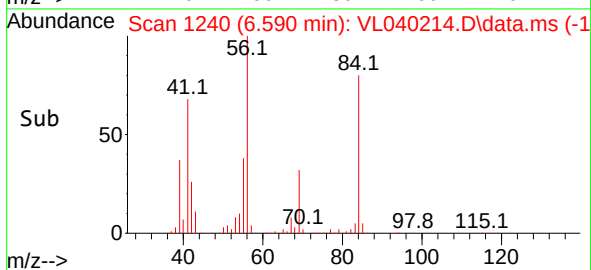
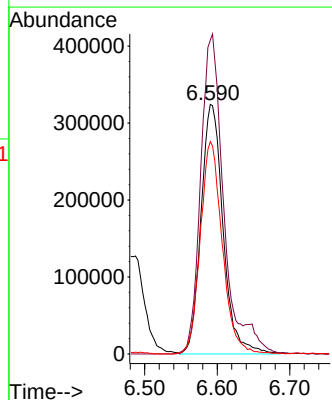
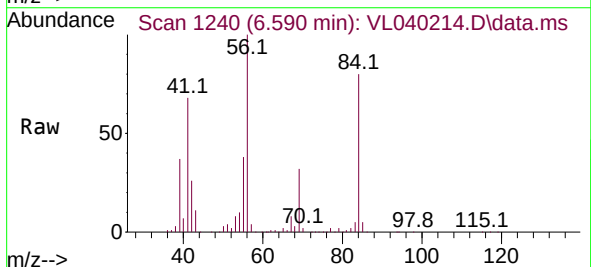
Manual Integrations
APPROVED

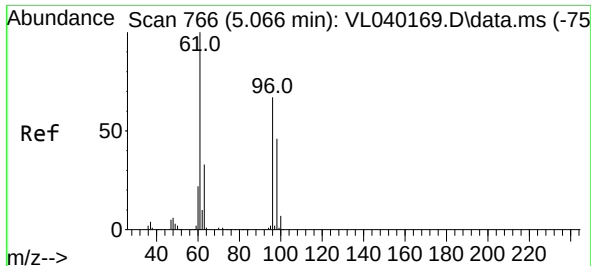
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#30
Cyclohexane
Concen: 11.361 ppbv
RT: 6.590 min Scan# 1240
Delta R.T. -0.004 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

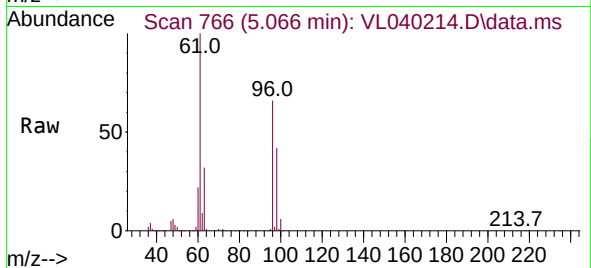
Tgt Ion: 84 Resp: 686502
Ion Ratio Lower Upper
84 100
56 134.7 109.9 164.9
41 84.4 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 10.490 ppbv
 RT: 5.066 min Scan# 766
 Delta R.T. 0.000 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

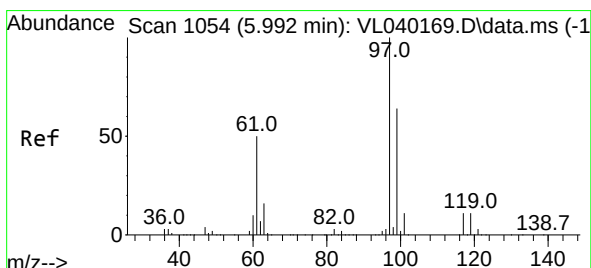
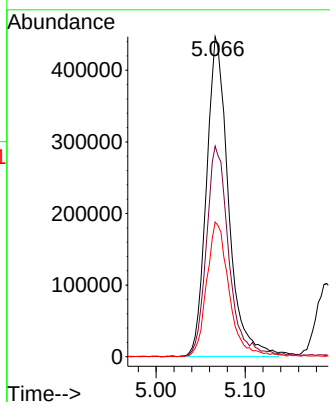
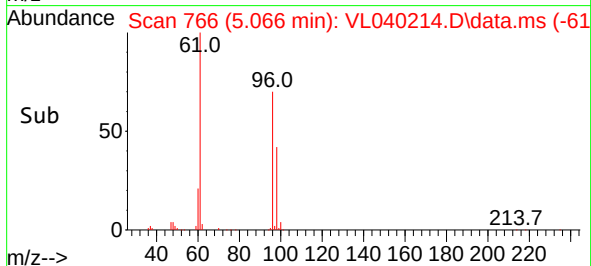
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC



Tgt Ion: 61 Resp: 766953
 Ion Ratio Lower Upper
 61 100
 96 65.9 53.7 80.5
 98 42.1 36.4 54.6

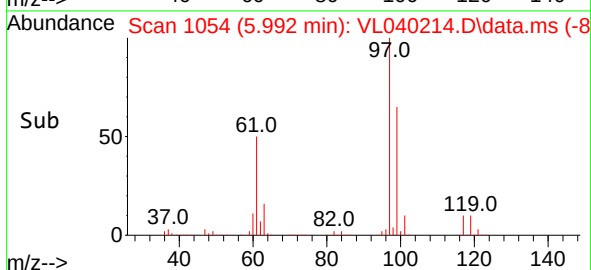
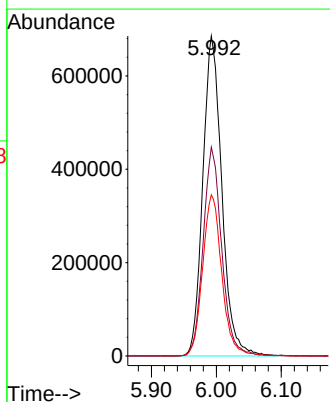
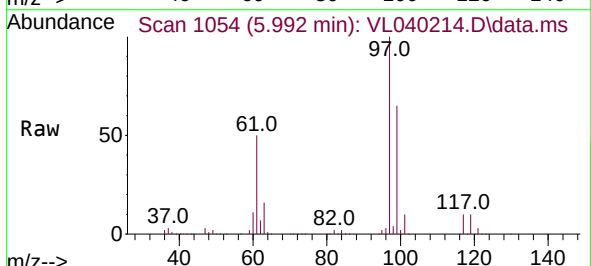
Manual Integrations
 APPROVED

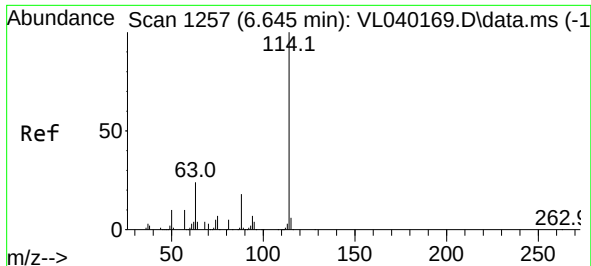
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#32
 1,1,1-Trichloroethane
 Concen: 11.268 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Tgt Ion: 97 Resp: 1398818
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.5 77.3
 61 50.8 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:114 Resp: 2146592

Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

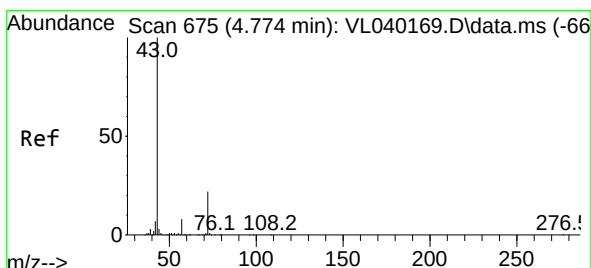
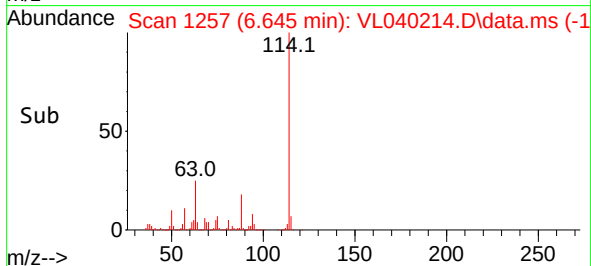
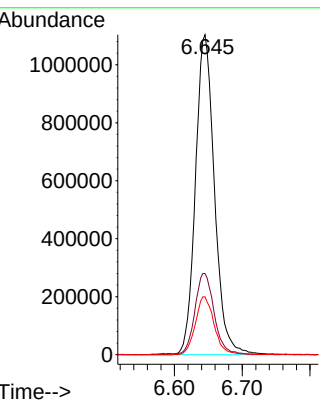
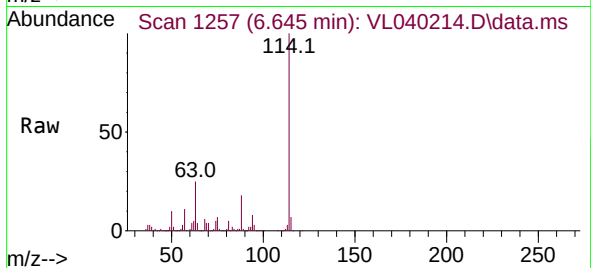
88 18.0 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#34

2-Butanone

Concen: 10.050 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.000 min

Lab File: VL040214.D

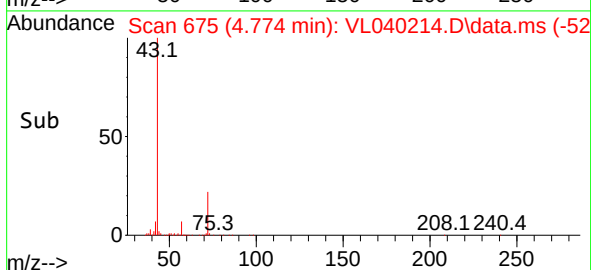
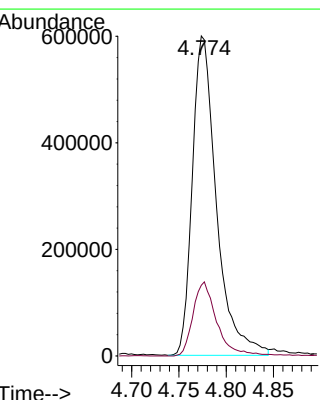
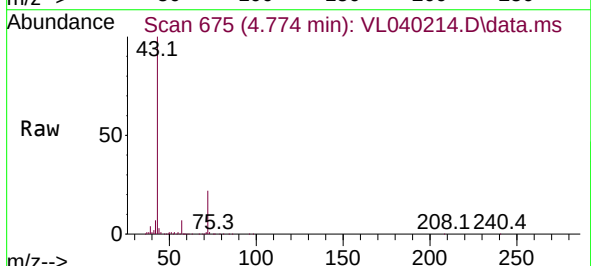
Acq: 22 Feb 2023 9:26

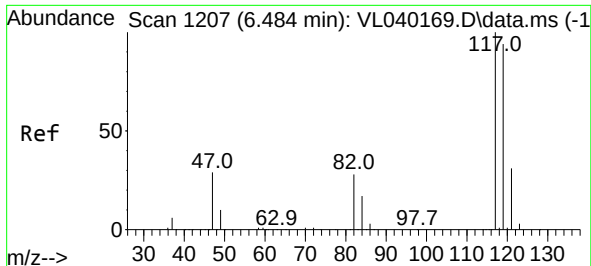
Tgt Ion: 43 Resp: 1064134

Ion Ratio Lower Upper

43 100

72 23.2 17.8 26.8





#35
Carbon Tetrachloride
Concen: 11.488 ppbv
RT: 6.484 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

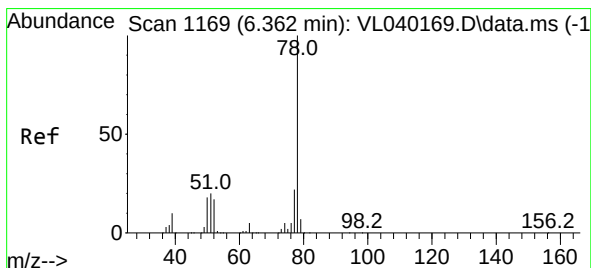
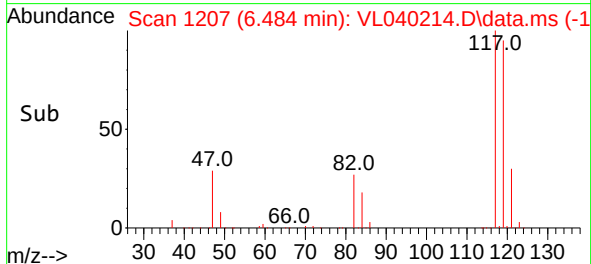
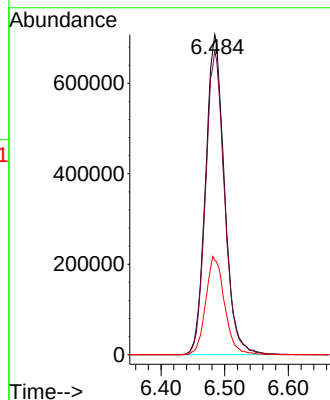
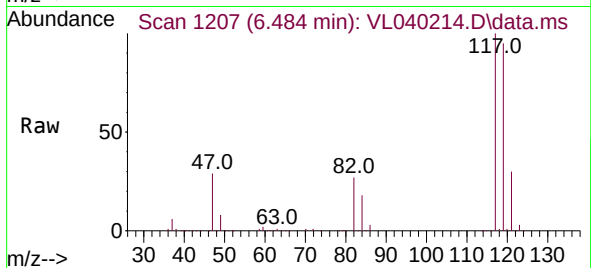
VSTDCCC010EC

Tgt Ion:117 Resp: 145786
Ion Ratio Lower Upper
117 100
119 94.8 75.0 112.6
121 29.6 25.0 37.4

Manual Integrations

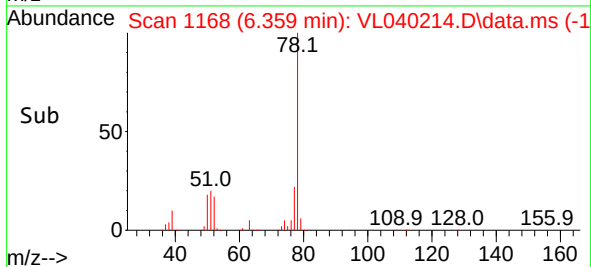
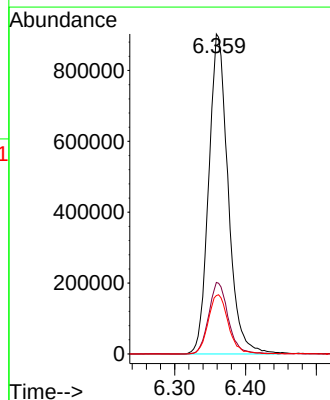
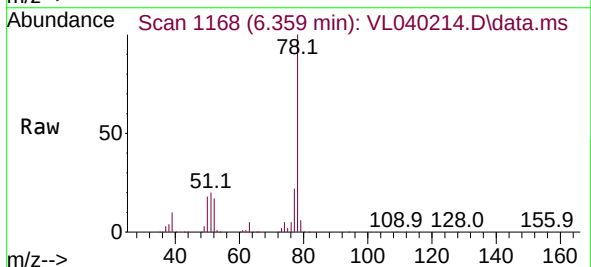
APPROVED

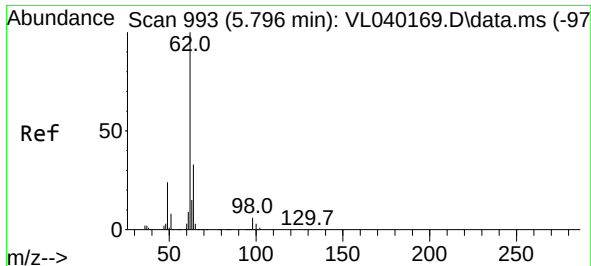
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#36
Benzene
Concen: 10.262 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 78 Resp: 1714262
Ion Ratio Lower Upper
78 100
77 22.4 17.5 26.3
50 18.2 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.344 ppbv

RT: 5.796 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 108074

Ion Ratio Lower Upper

62 100

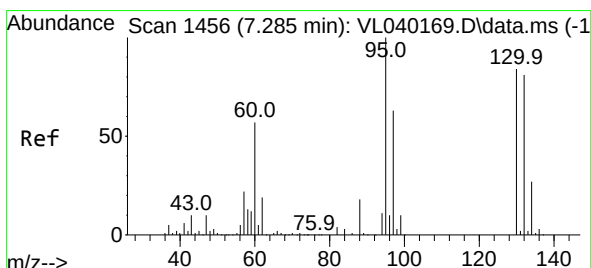
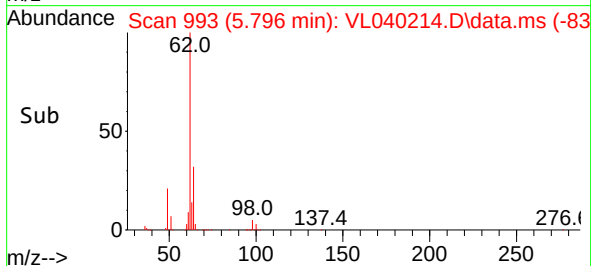
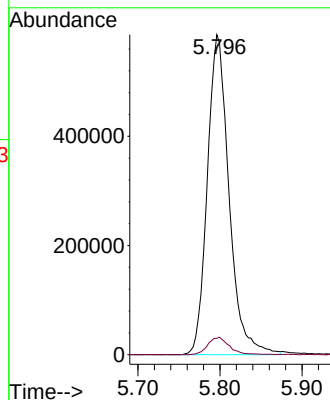
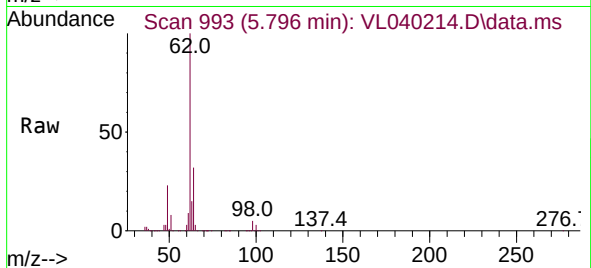
98 5.4 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#38

Trichloroethene

Concen: 10.794 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.000 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Tgt Ion:130 Resp: 993621

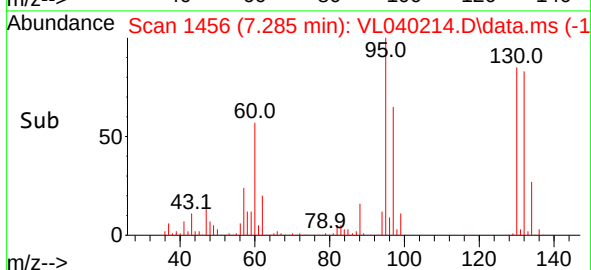
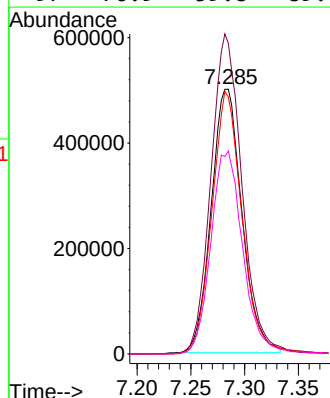
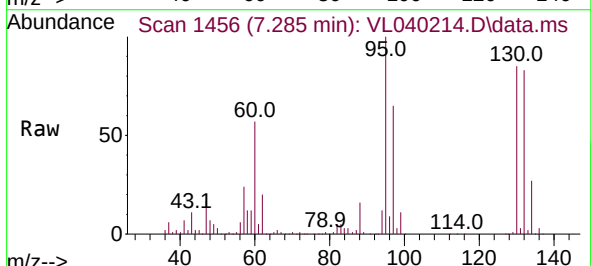
Ion Ratio Lower Upper

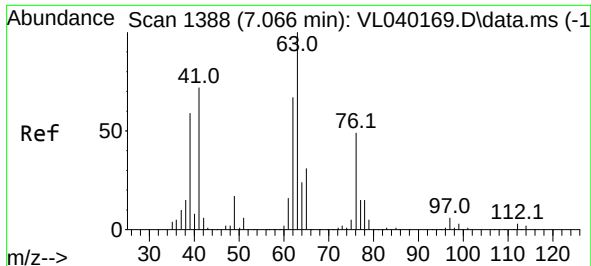
130 100

95 117.6 94.7 142.1

132 97.2 76.4 114.6

97 76.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 9.988 ppbv

RT: 7.063 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

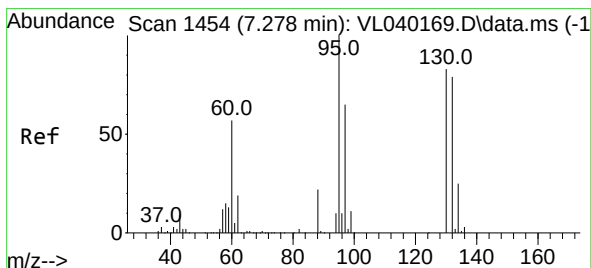
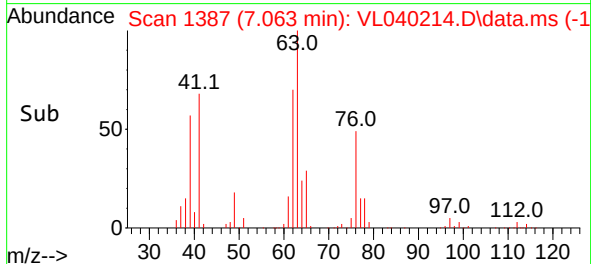
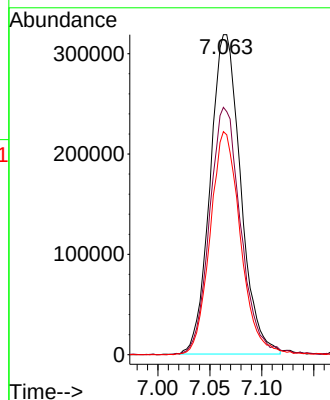
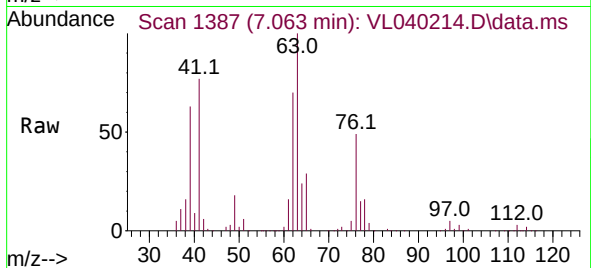
Tgt Ion: 63 Resp: 649064

Ion	Ratio	Lower	Upper
63	100		
41	77.2	57.6	86.4
62	69.7	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#40

1,4-Dioxane

Concen: 9.116 ppbv

RT: 7.278 min Scan# 1454

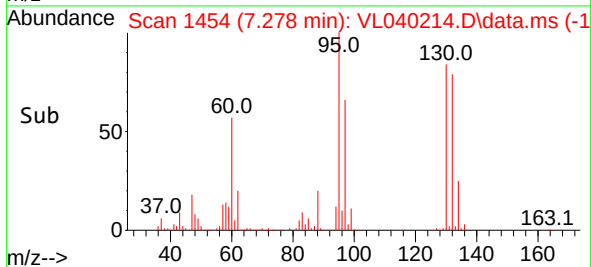
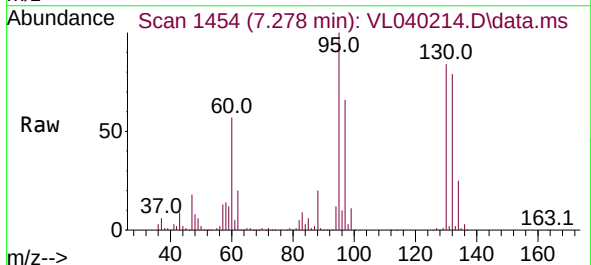
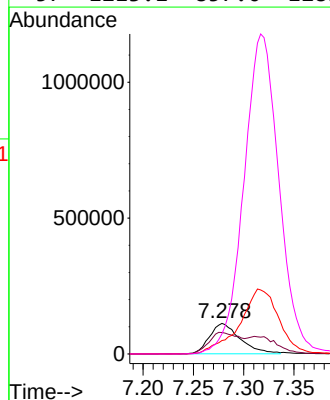
Delta R.T. 0.000 min

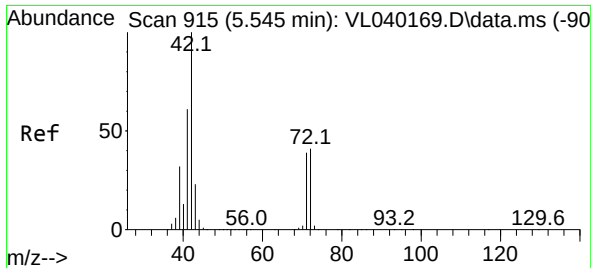
Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Tgt Ion: 88 Resp: 236973

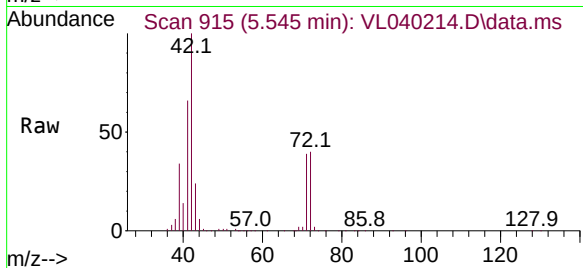
Ion	Ratio	Lower	Upper
88	100		
58	128.0	97.4	146.0
43	274.8	193.5	290.3
57	1213.1	857.0	1285.6





#41
Tetrahydrofuran
Concen: 10.457 ppbv
RT: 5.545 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

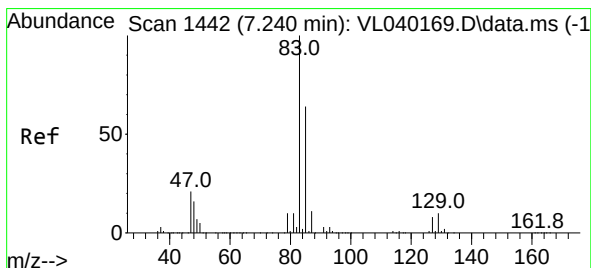
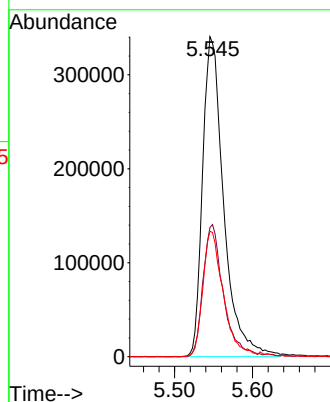
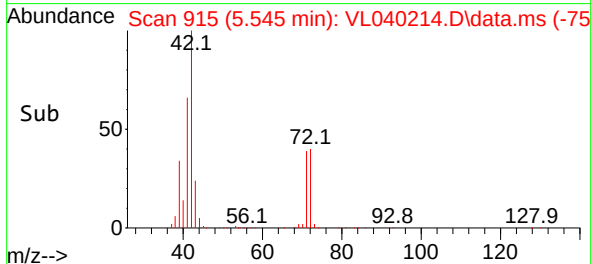
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



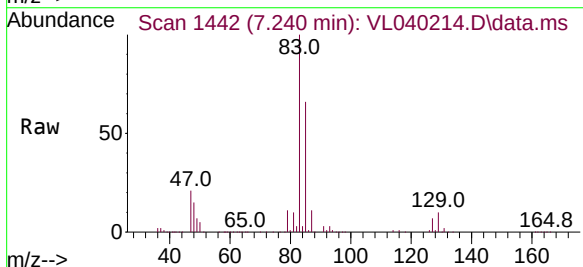
Tgt Ion: 42 Resp: 641708
Ion Ratio Lower Upper
42 100
72 40.3 33.0 49.4
71 38.7 31.4 47.2

Manual Integrations
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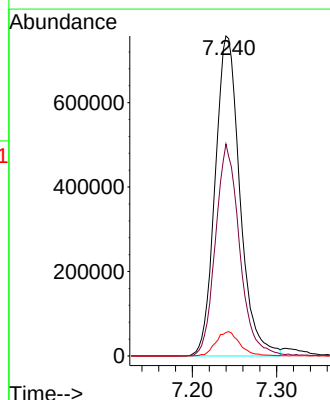
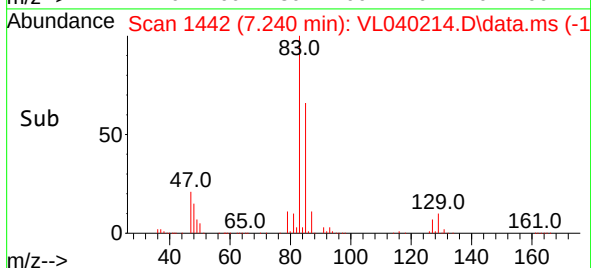
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

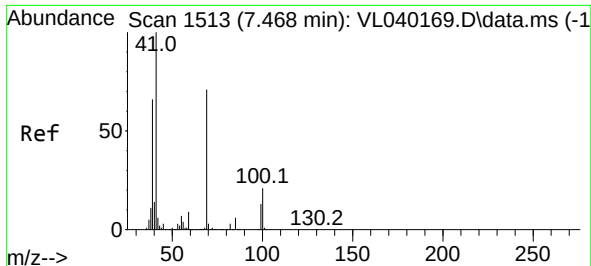


#42
Bromodichloromethane
Concen: 10.731 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



Tgt Ion: 83 Resp: 1547440
Ion Ratio Lower Upper
83 100
85 66.3 50.9 76.3
127 7.4 6.2 9.2





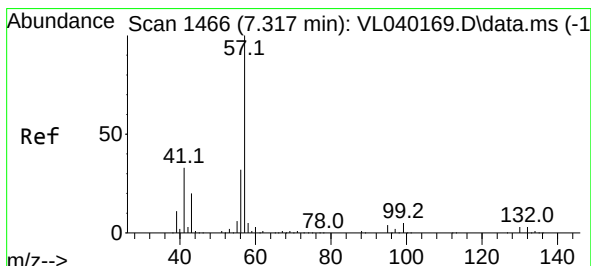
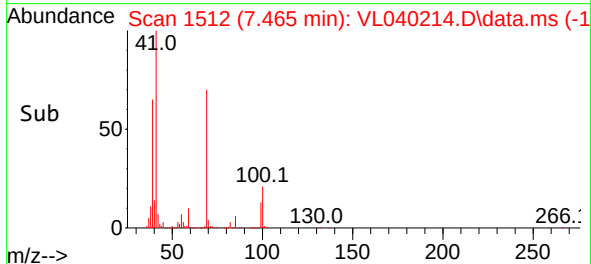
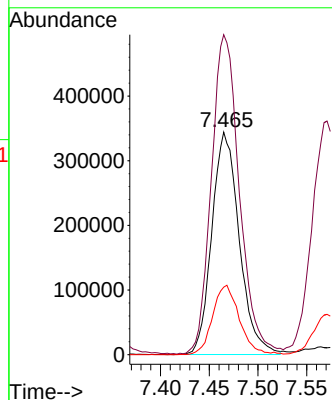
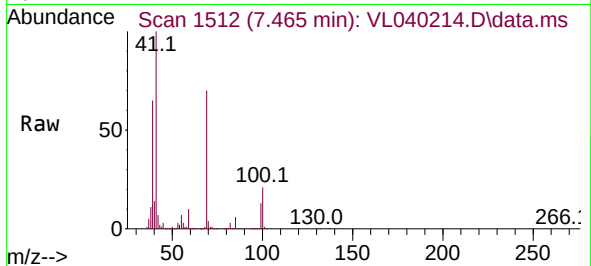
#43
Methyl Methacrylate
Concen: 10.897 ppbv
RT: 7.465 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 67356
Ion Ratio Lower Upper
69 100
41 147.2 116.6 174.8
100 30.5 25.6 38.4

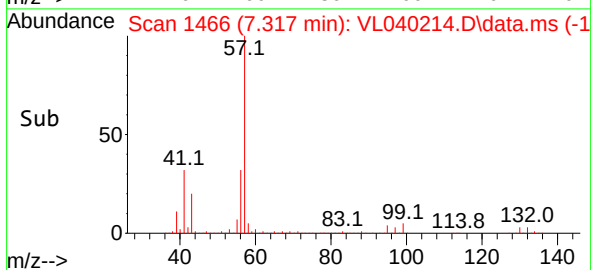
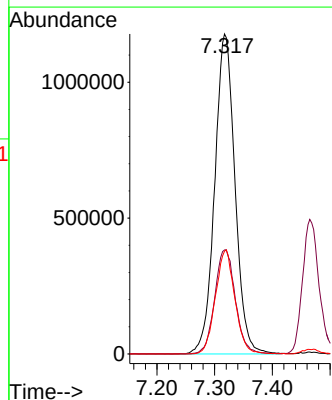
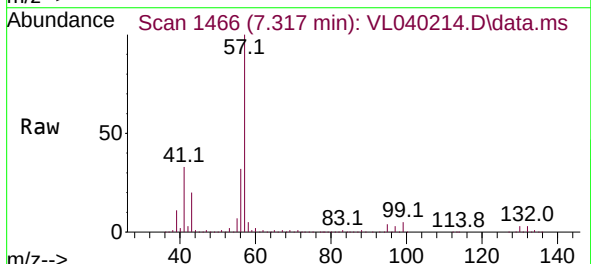
Manual Integrations
APPROVED

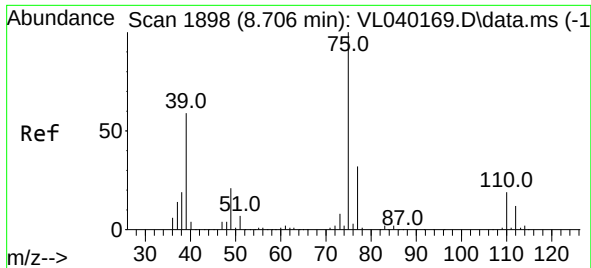
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#44
2,2,4-Trimethylpentane
Concen: 10.303 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 57 Resp: 2873000
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.4
56 31.4 24.9 37.3





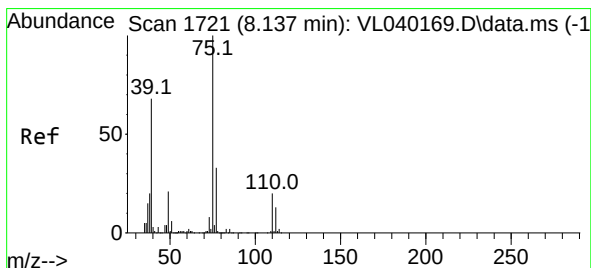
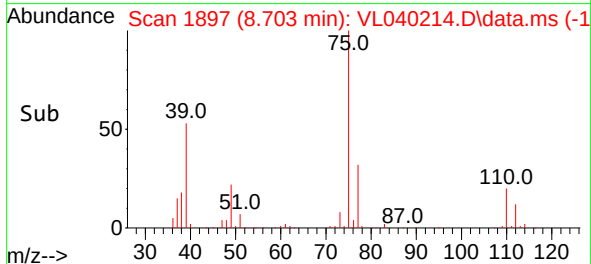
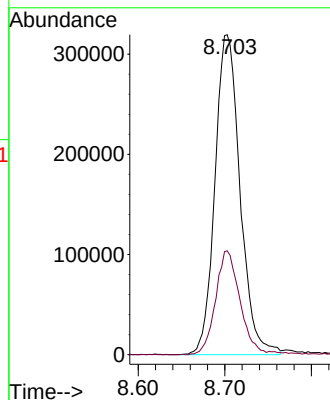
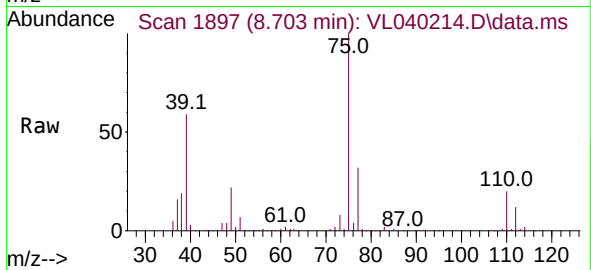
#45
 t-1,3-Dichloropropene
 Concen: 11.749 ppbv
 RT: 8.703 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 64422
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5

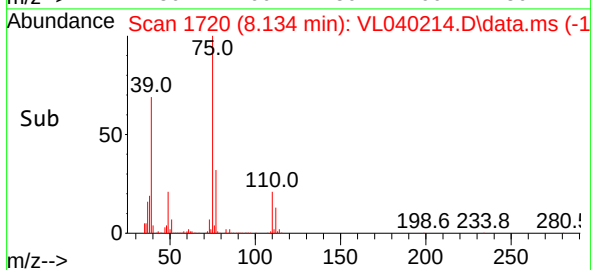
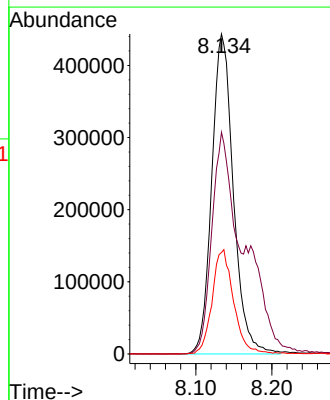
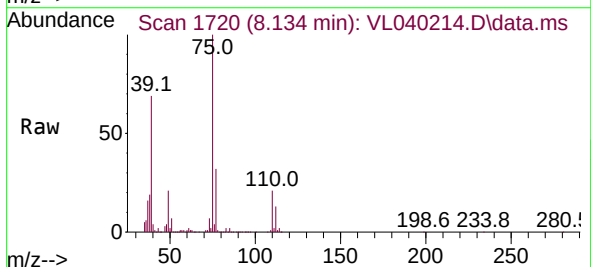
Manual Integrations
 APPROVED

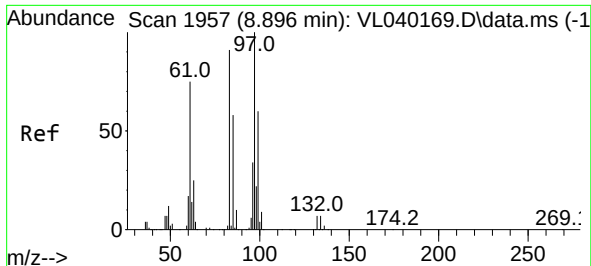
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#46
 cis-1,3-Dichloropropene
 Concen: 11.442 ppbv
 RT: 8.134 min Scan# 1720
 Delta R.T. -0.003 min
 Lab File: VL040214.D
 Acq: 22 Feb 2023 9:26

Tgt Ion: 75 Resp: 874047
 Ion Ratio Lower Upper
 75 100
 39 69.3 54.2 81.2
 77 31.7 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.143 ppbv

RT: 8.892 min Scan# 1957

Delta R.T. -0.004 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

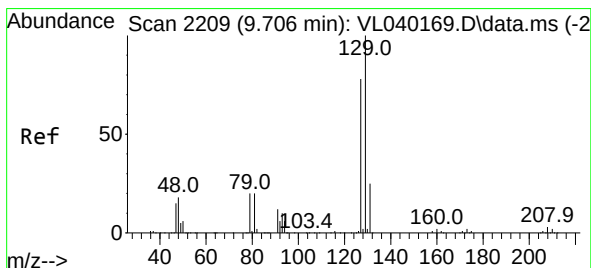
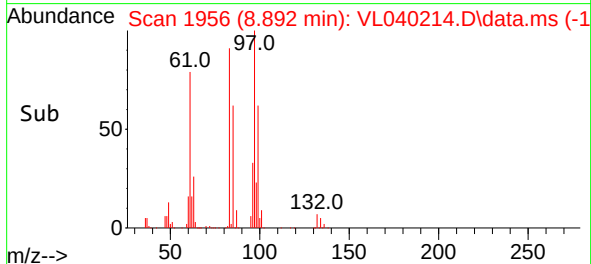
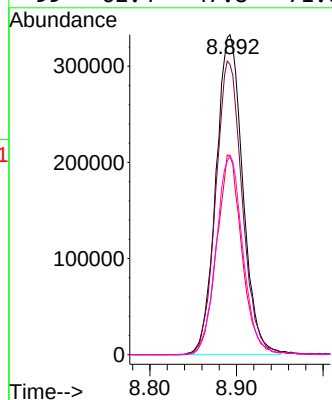
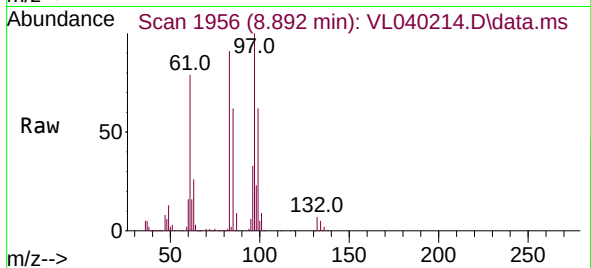
VSTDCCC010EC

Tgt Ion: 97	Resp: 71291
Ion Ratio	Lower Upper
97 100	
83 90.6	72.8 109.2
85 61.9	46.6 69.8
99 62.4	47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#48

Dibromochloromethane

Concen: 11.010 ppbv

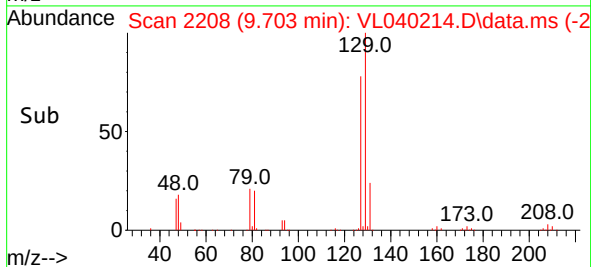
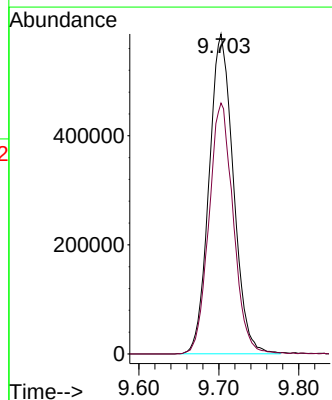
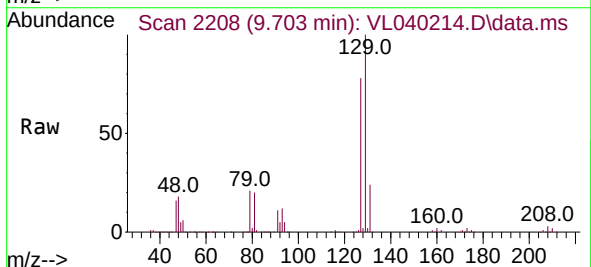
RT: 9.703 min Scan# 2208

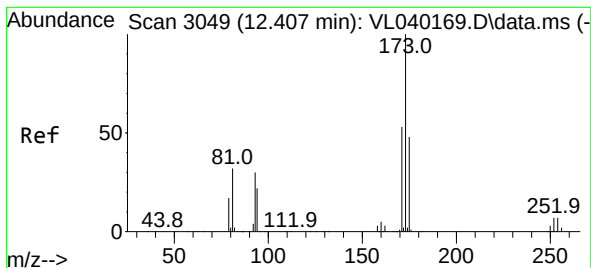
Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Tgt Ion:129	Resp: 1237794
Ion Ratio	Lower Upper
129 100	
127 78.7	39.1 117.2





#49

Bromoform

Concen: 10.917 ppbv

RT: 12.400 min Scan# 3049

Delta R.T. -0.007 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

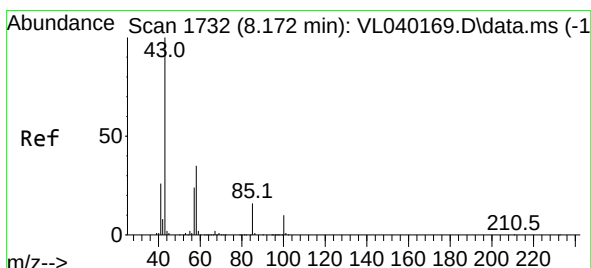
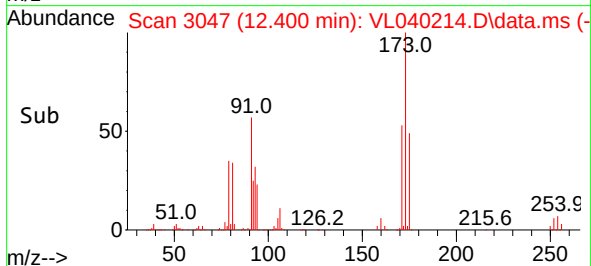
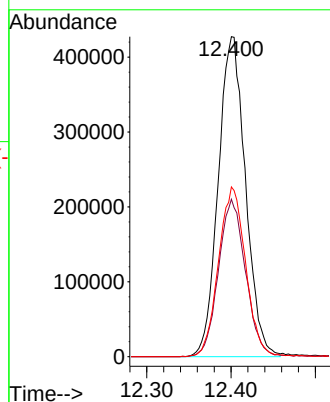
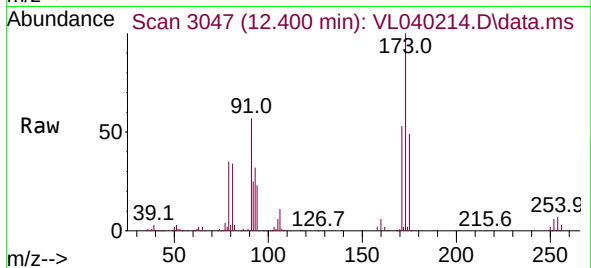
VSTDCCC010EC

Tgt Ion:173 Resp: 957949
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.4 59.0
 171 53.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#50

4-Methyl-2-Pentanone

Concen: 10.891 ppbv

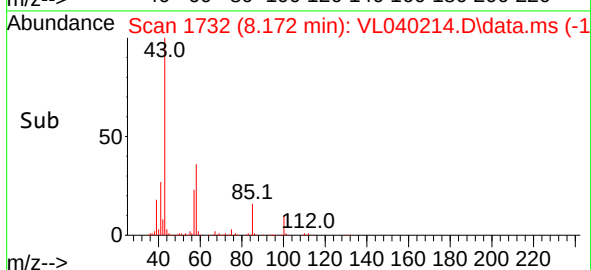
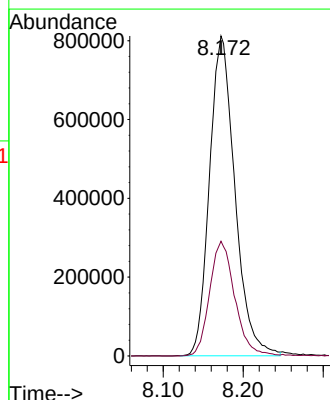
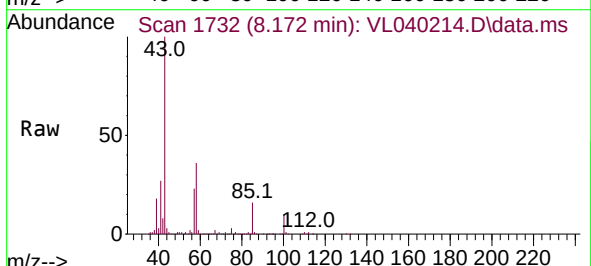
RT: 8.172 min Scan# 1732

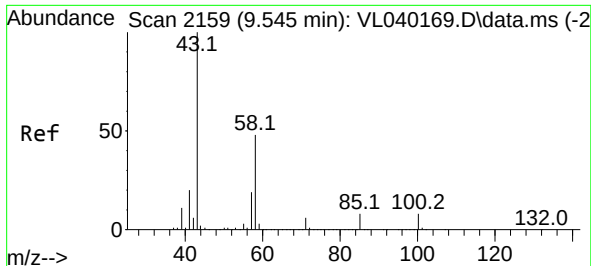
Delta R.T. 0.000 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

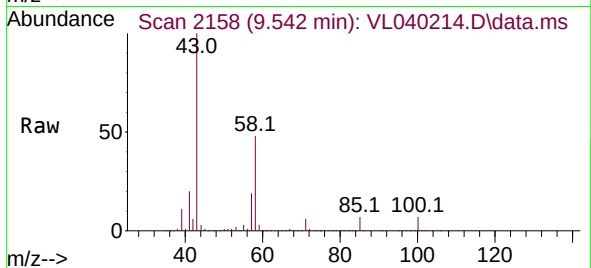
Tgt Ion: 43 Resp: 1790696
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.2 43.8





#51
2-Hexanone
Concen: 11.012 ppbv
RT: 9.542 min Scan# 2159
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

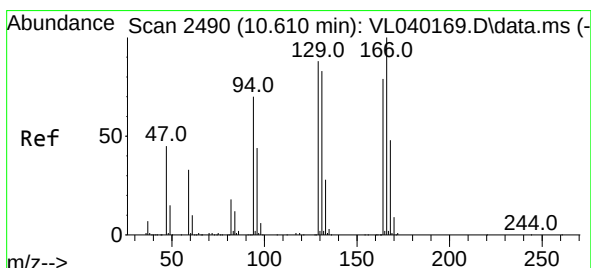
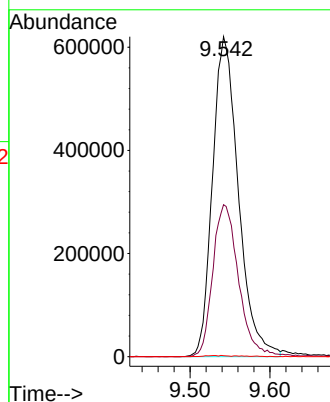
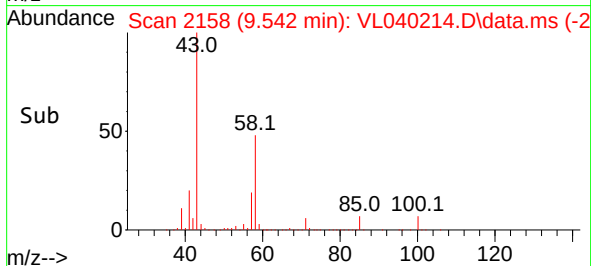
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 43 Resp: 1392460
Ion Ratio Lower Upper
43 100
58 47.8 39.1 58.7
98 0.3 0.2 0.4

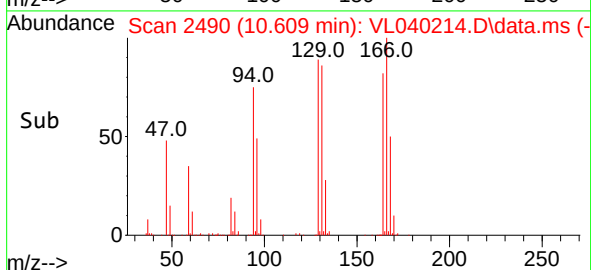
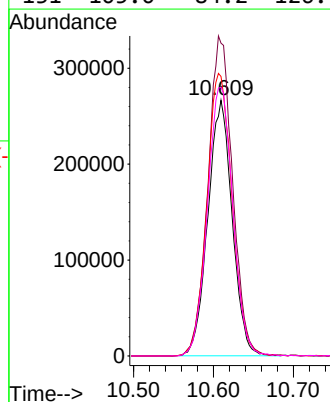
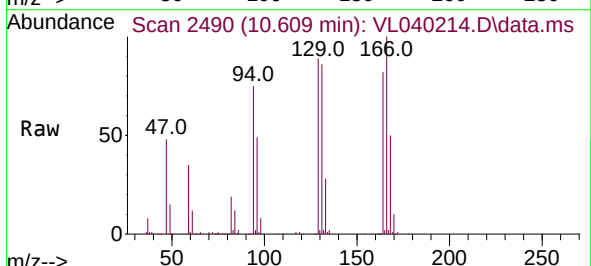
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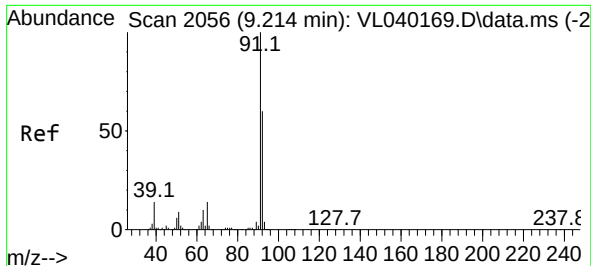
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Tetrachloroethene
Concen: 10.758 ppbv
RT: 10.609 min Scan# 2490
Delta R.T. -0.001 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

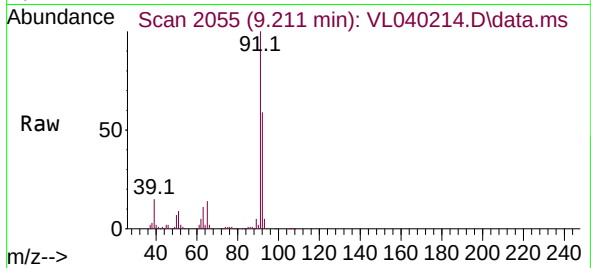
Tgt Ion:164 Resp: 561201
Ion Ratio Lower Upper
164 100
166 122.2 101.5 152.3
129 109.1 89.0 133.4
131 105.0 84.2 126.4





#53
Toluene
Concen: 10.792 ppbv
RT: 9.211 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

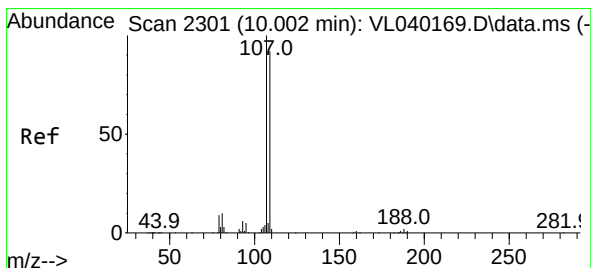
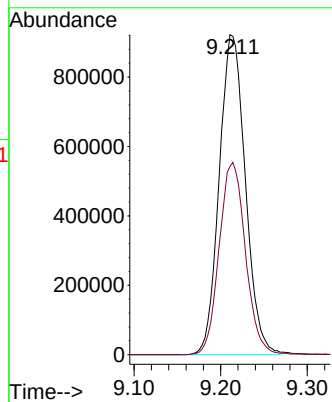
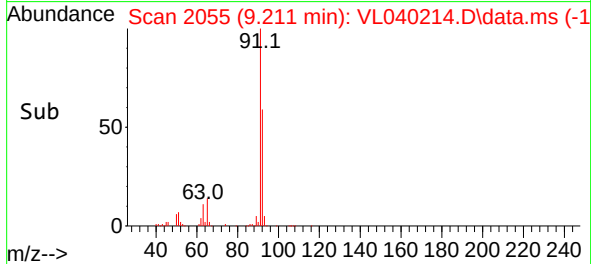
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



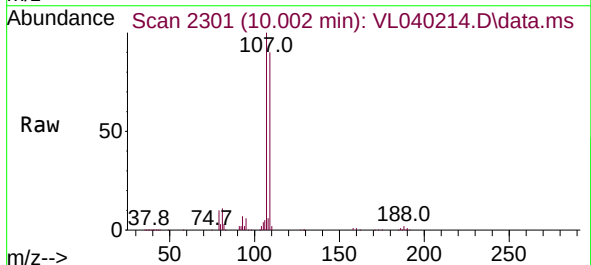
Tgt Ion: 91 Resp: 193086
Ion Ratio Lower Upper
91 100
92 60.5 48.9 73.3

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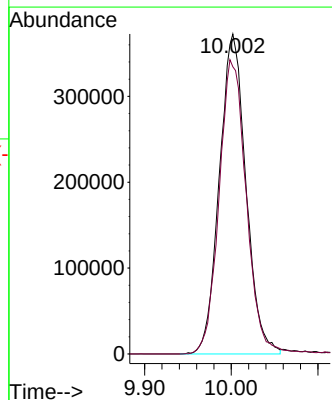
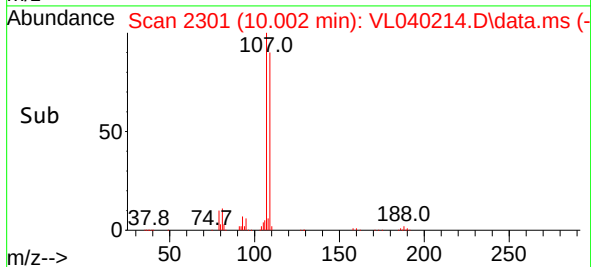
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

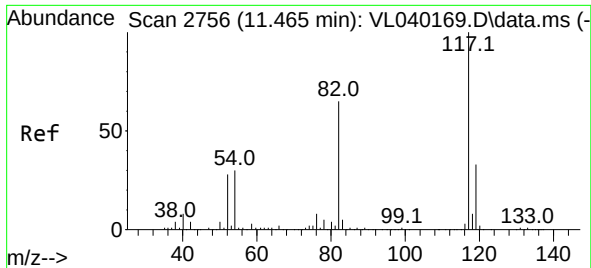


#54
1,2-Dibromoethane
Concen: 10.859 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. -0.000 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



Tgt Ion:107 Resp: 794136
Ion Ratio Lower Upper
107 100
109 89.7 73.8 110.8





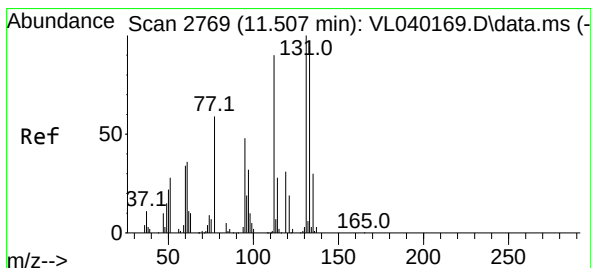
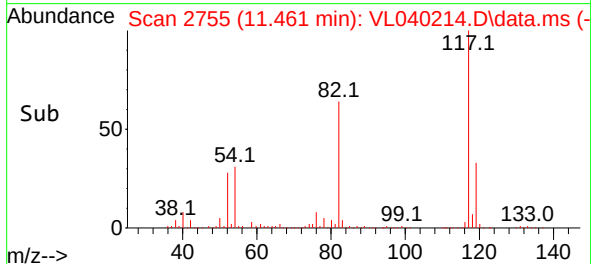
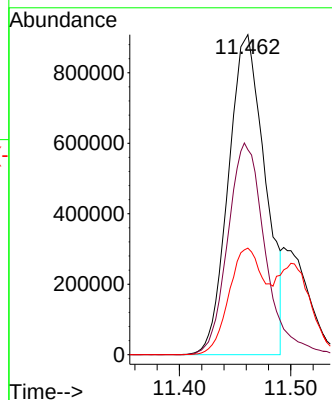
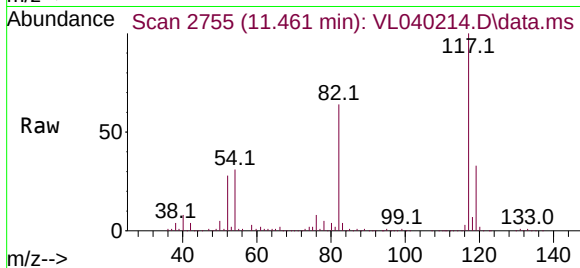
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 207834
Ion Ratio Lower Upper
117 100
82 68.0 53.3 79.9
119 29.8 24.6 37.0

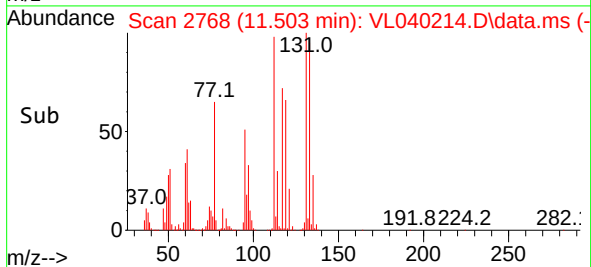
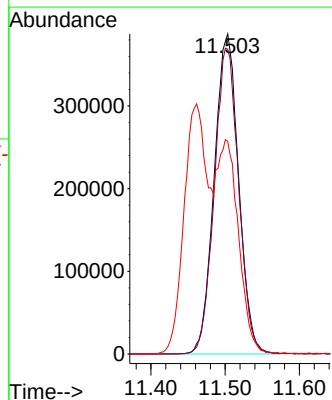
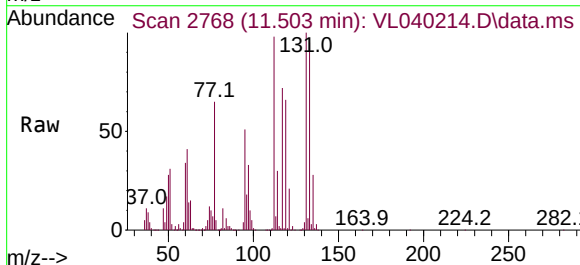
Manual Integrations
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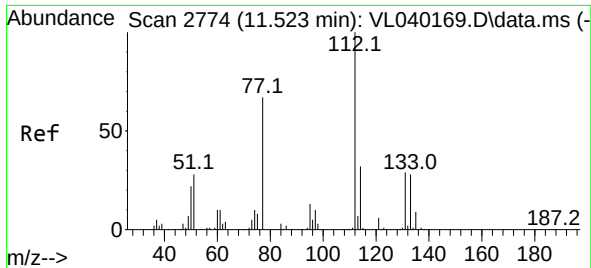
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 10.109 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. -0.004 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

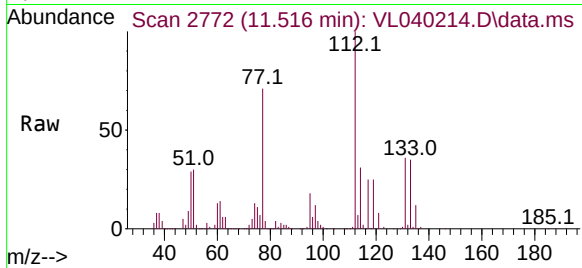
Tgt Ion:131 Resp: 881926
Ion Ratio Lower Upper
131 100
133 95.7 76.2 114.2
119 68.6 45.4 68.0#





#57
Chlorobenzene
Concen: 9.819 ppbv
RT: 11.516 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

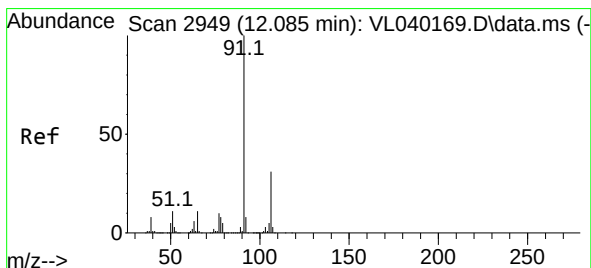
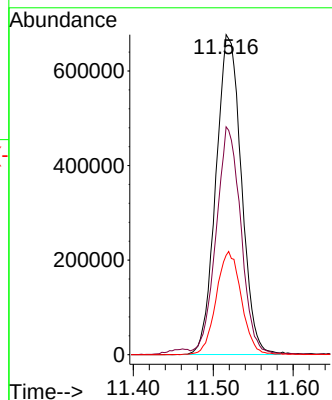
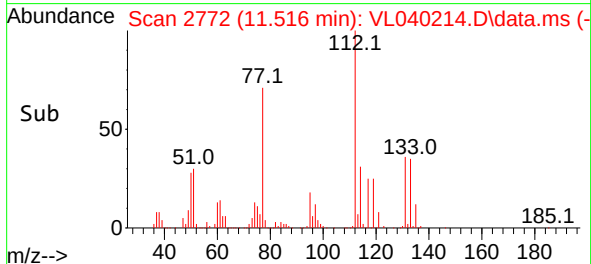
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion: 112 Resp: 1490948
Ion Ratio Lower Upper
112 100
77 70.7 55.0 82.4
114 31.1 29.0 35.4

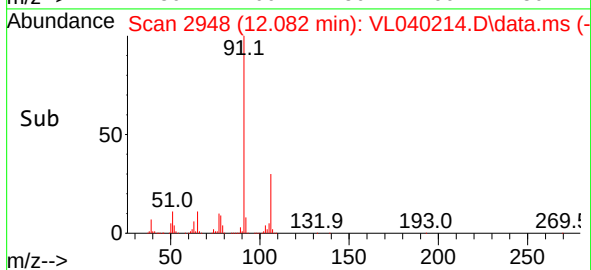
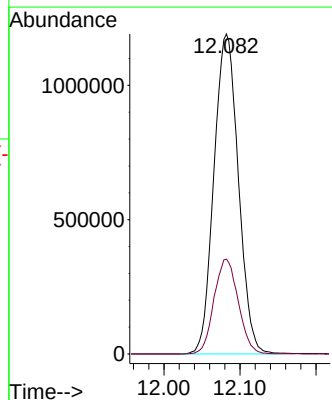
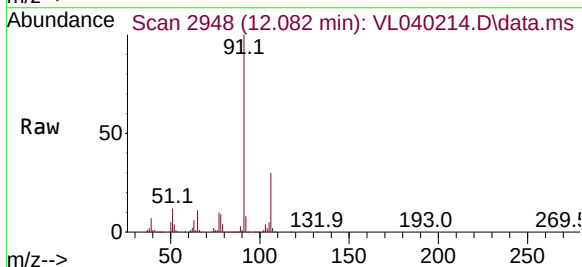
Manual Integrations
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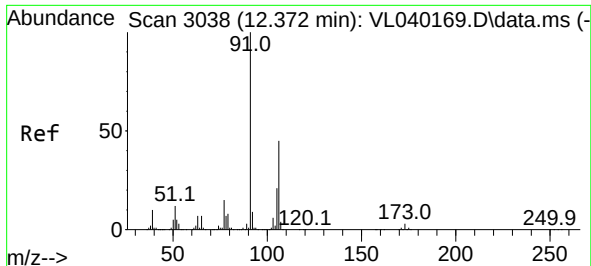
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
Ethyl Benzene
Concen: 10.522 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 91 Resp: 2656939
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3





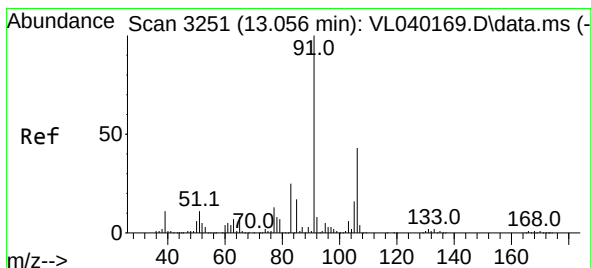
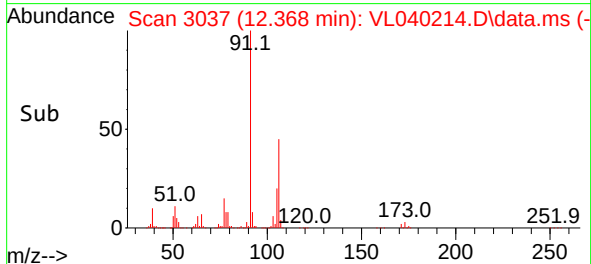
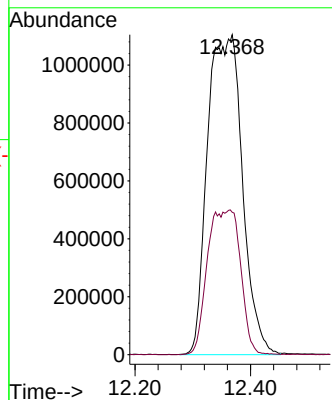
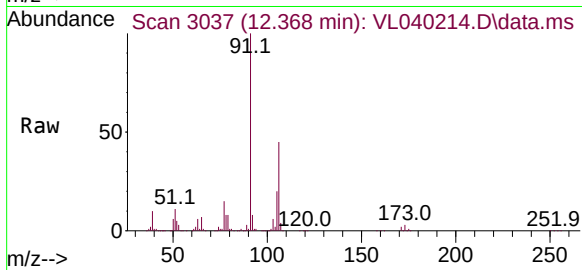
#59
m/p-Xylene
Concen: 20.647 ppbv m
RT: 12.368 min Scan# 3037
Delta R.T. -0.004 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 4617910
Ion Ratio Lower Upper
91 100
106 43.1 34.6 51.8

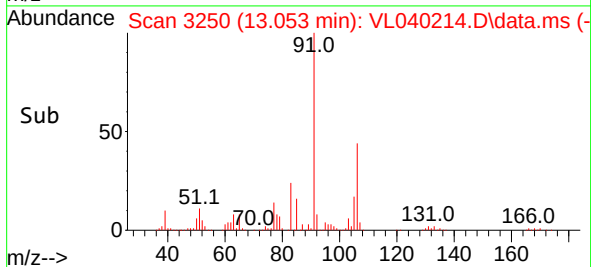
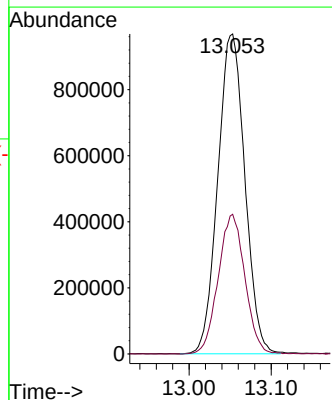
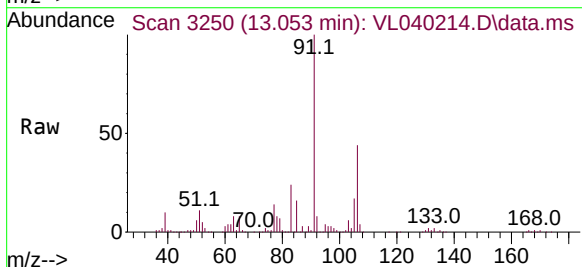
Manual Integrations
APPROVED

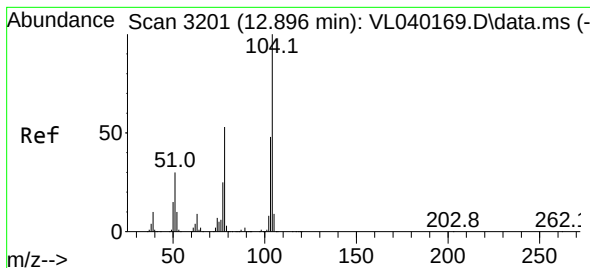
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#60
o-Xylene
Concen: 10.324 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Tgt Ion: 91 Resp: 2221731
Ion Ratio Lower Upper
91 100
106 43.2 21.6 65.0





#61

Styrene

Concen: 10.971 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.004 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 123953

Ion Ratio Lower Upper

104 100

78 54.3 42.3 63.5

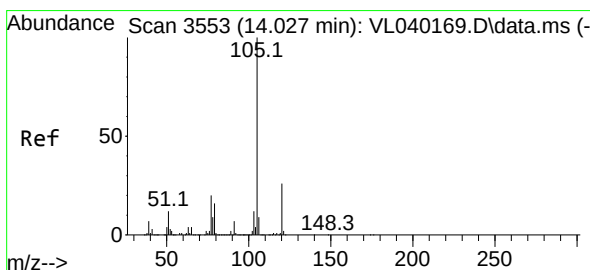
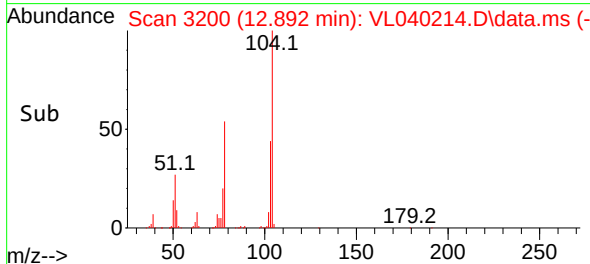
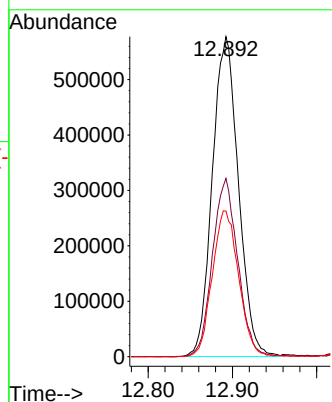
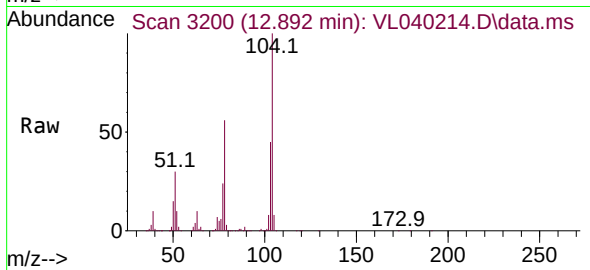
103 46.3 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#62

Isopropylbenzene

Concen: 10.105 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.003 min

Lab File: VL040214.D

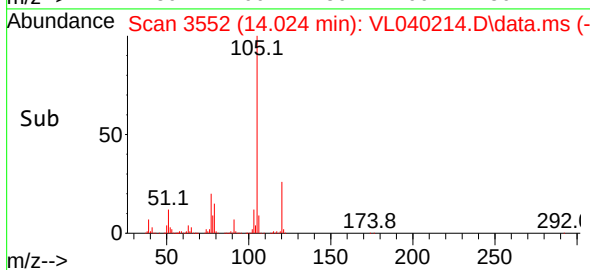
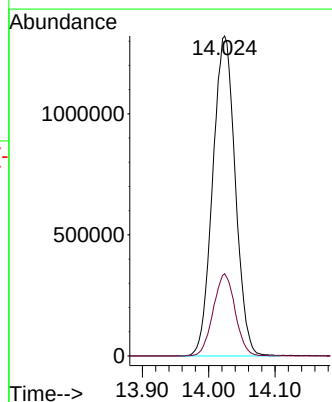
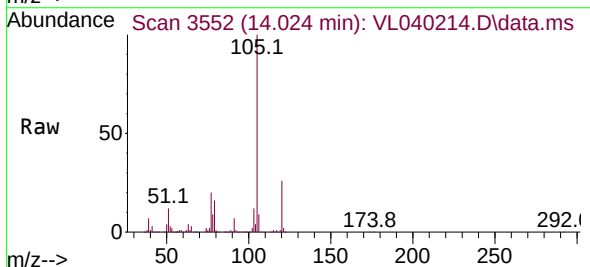
Acq: 22 Feb 2023 9:26

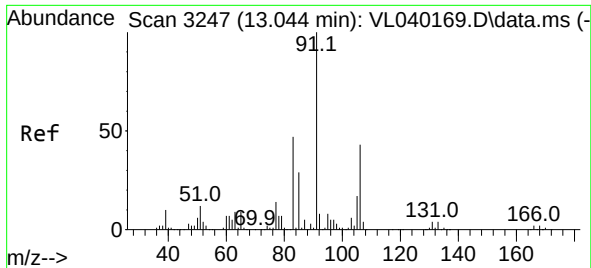
Tgt Ion:105 Resp: 3121297

Ion Ratio Lower Upper

105 100

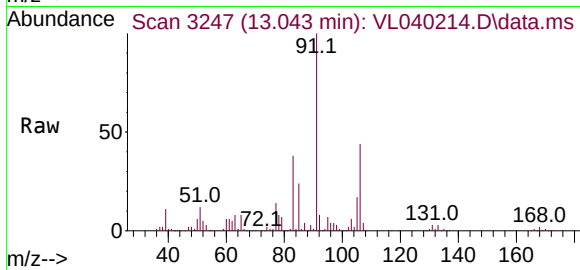
120 25.0 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 9.663 ppbv
RT: 13.043 min Scan# 31
Delta R.T. -0.001 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

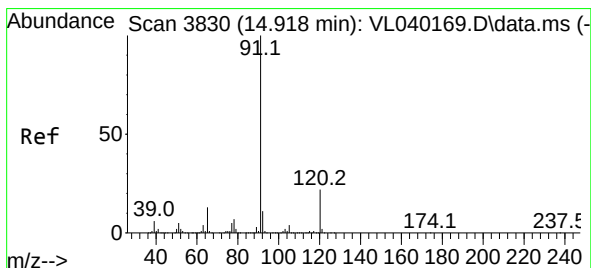
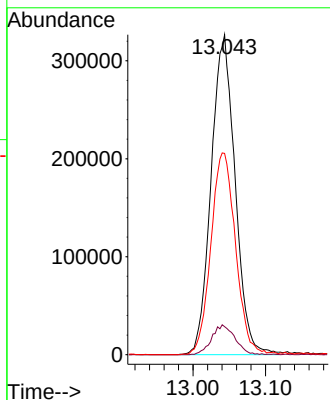
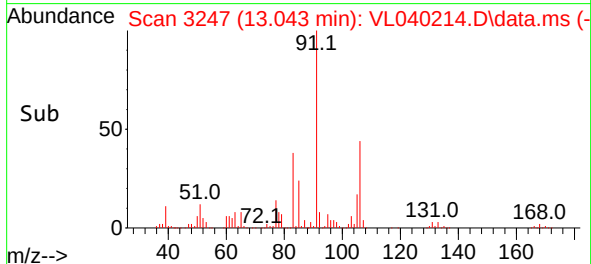
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



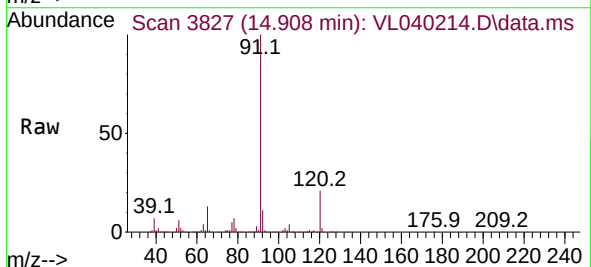
Tgt Ion: 83 Resp: 74942
Ion Ratio Lower Upper
83 100
131 9.0 4.4 13.2
85 65.3 33.0 99.0

Manual Integrations
APPROVED

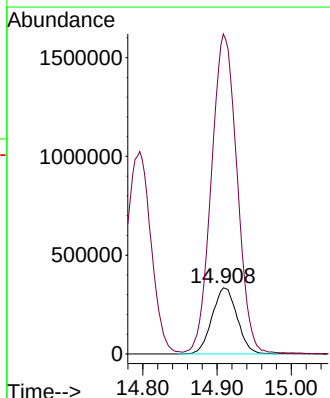
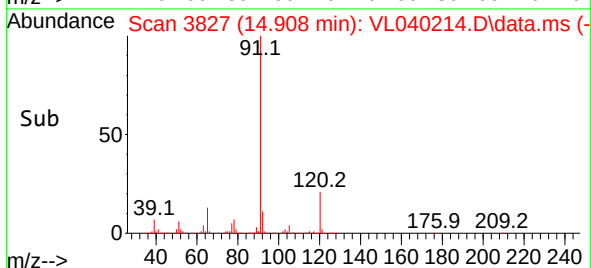
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

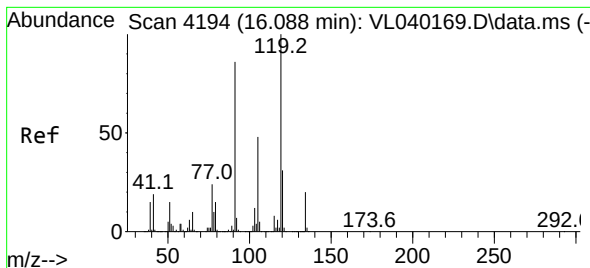


#64
n-propylbenzene
Concen: 10.260 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.010 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



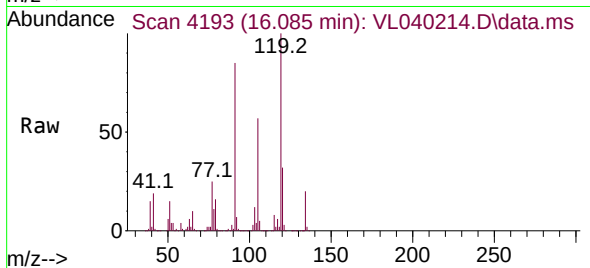
Tgt Ion:120 Resp: 784465
Ion Ratio Lower Upper
120 100
91 498.8 389.8 584.8





#65
tert-Butylbenzene
Concen: 10.051 ppbv
RT: 16.085 min Scan# 4194
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

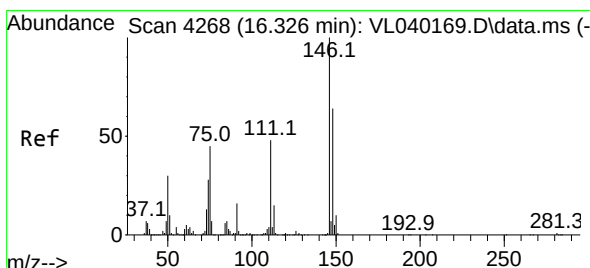
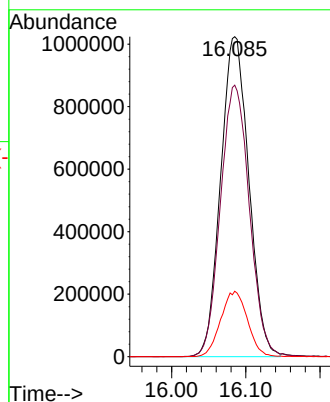
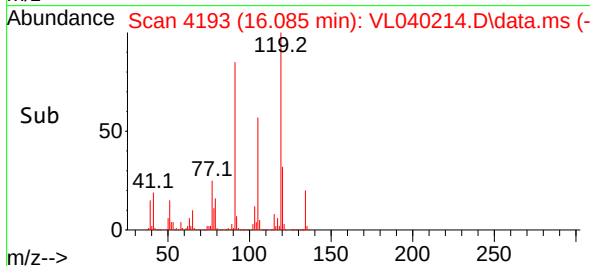
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



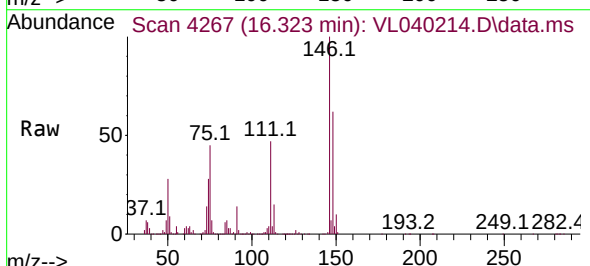
Tgt Ion:119 Resp: 2698770
Ion Ratio Lower Upper
119 100
91 87.3 68.6 102.8
134 19.5 15.9 23.9

Manual Integrations
APPROVED

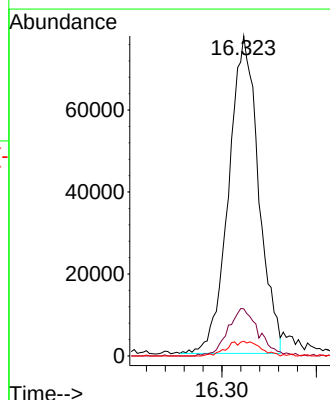
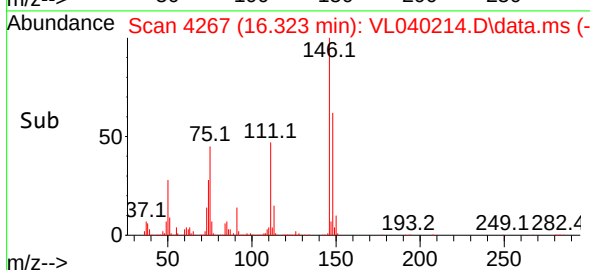
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

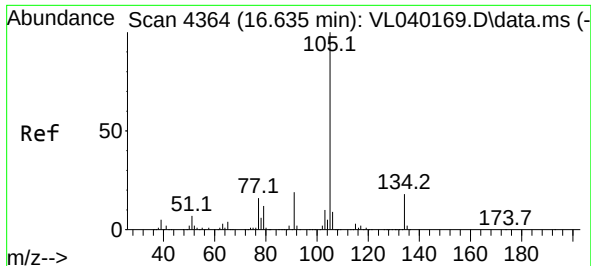


#66
Benzyl Chloride
Concen: 9.519 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



Tgt Ion: 91 Resp: 170086
Ion Ratio Lower Upper
91 100
126 15.6 13.1 19.7
128 5.4 4.1 6.1





#67

sec-Butylbenzene

Concen: 9.938 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 382696

Ion Ratio Lower Upper

105 100

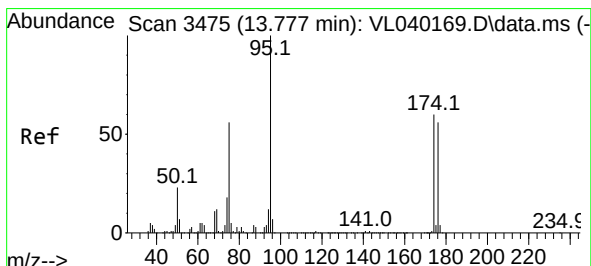
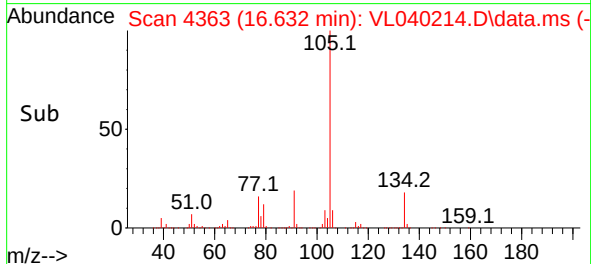
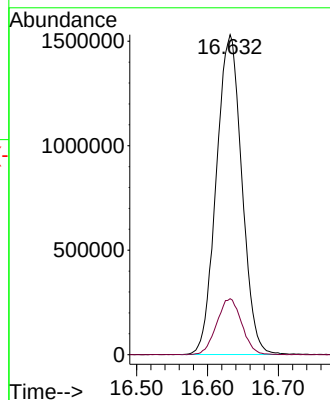
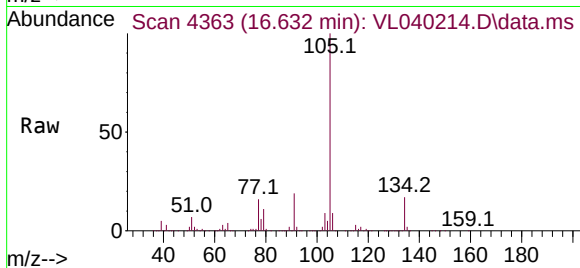
134 17.2 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.421 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.007 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

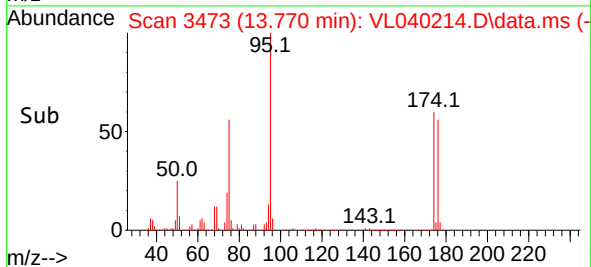
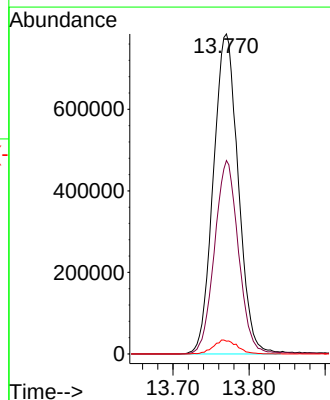
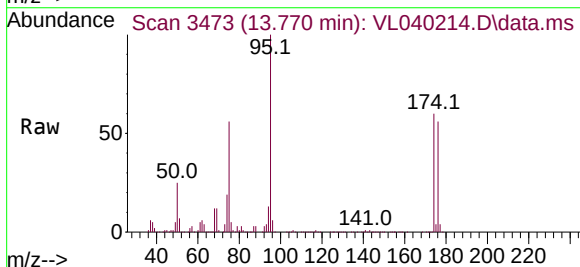
Tgt Ion: 95 Resp: 1780916

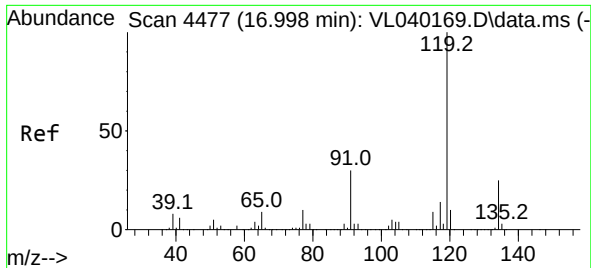
Ion Ratio Lower Upper

95 100

174 58.7 48.2 72.2

175 4.2 3.4 5.2





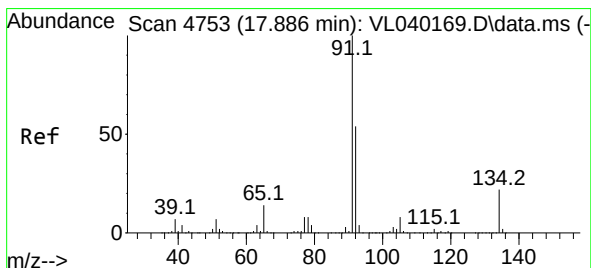
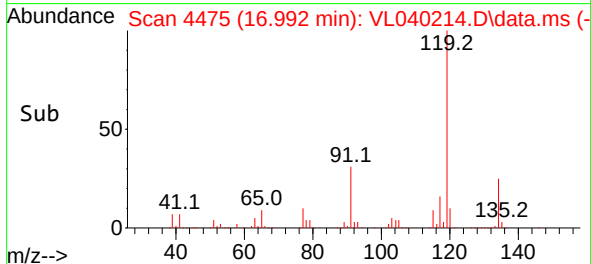
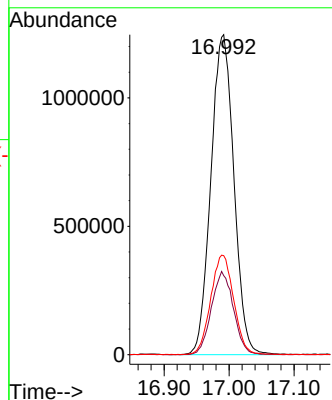
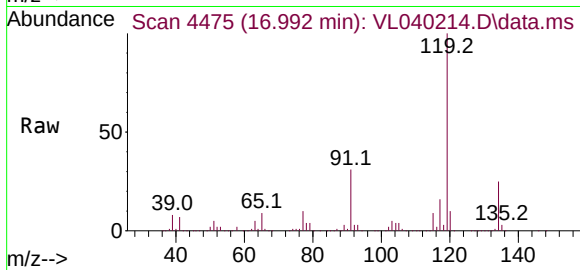
#69
p-Isopropyltoluene
Concen: 10.024 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. -0.006 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3060270
Ion Ratio Lower Upper
119 100
134 24.9 20.2 30.2
91 31.2 24.7 37.1

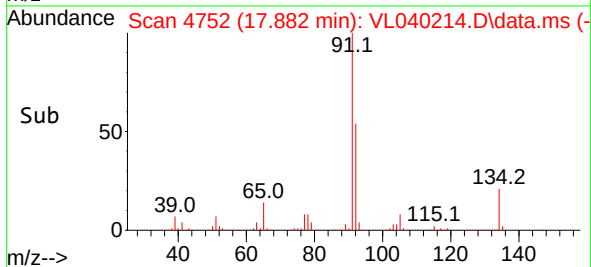
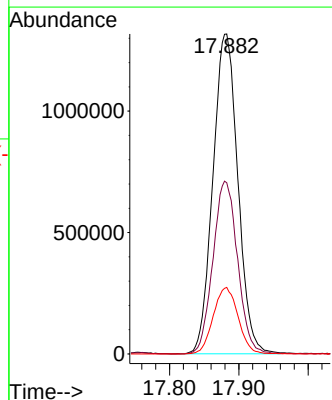
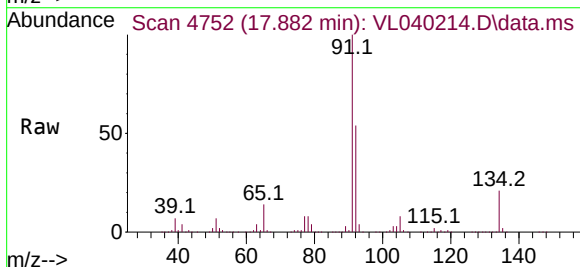
Manual Integrations
APPROVED

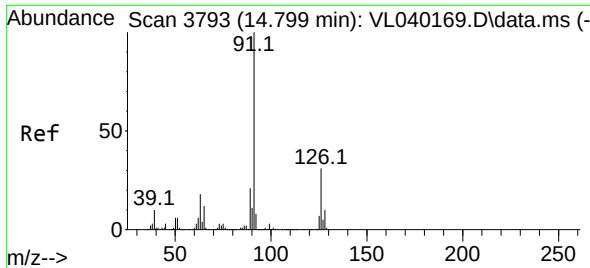
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#70
n-Butylbenzene
Concen: 9.944 ppbv
RT: 17.882 min Scan# 4752
Delta R.T. -0.004 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

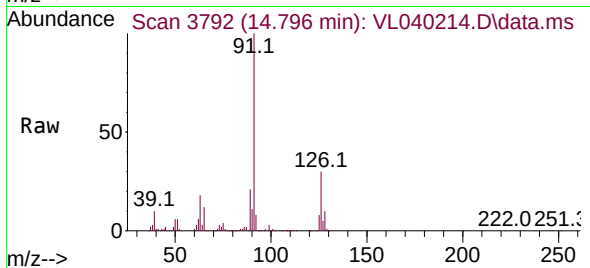
Tgt Ion: 91 Resp: 3295110
Ion Ratio Lower Upper
91 100
92 53.5 43.0 64.6
134 20.8 16.9 25.3





#71
2-Chlorotoluene
Concen: 10.038 ppbv
RT: 14.796 min Scan# 3793
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

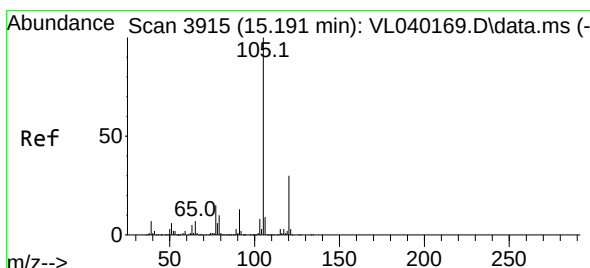
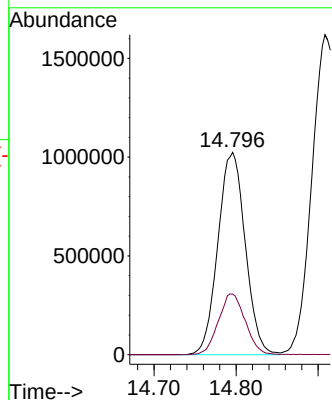
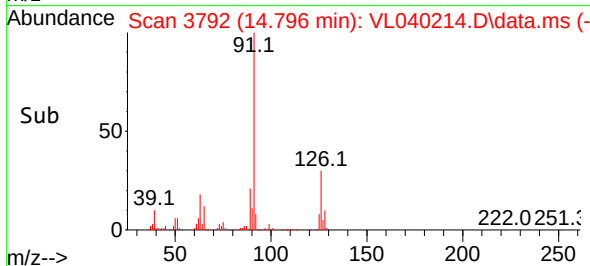
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



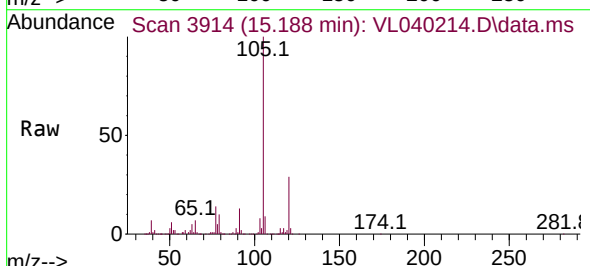
Tgt Ion: 91 Resp: 2371549
Ion Ratio Lower Upper
91 100
126 29.6 12.0 48.2

Manual Integrations
APPROVED

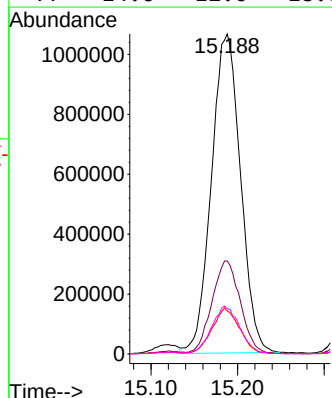
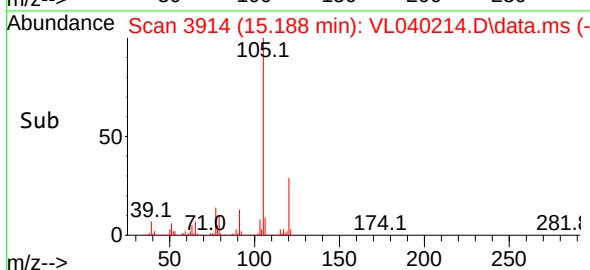
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

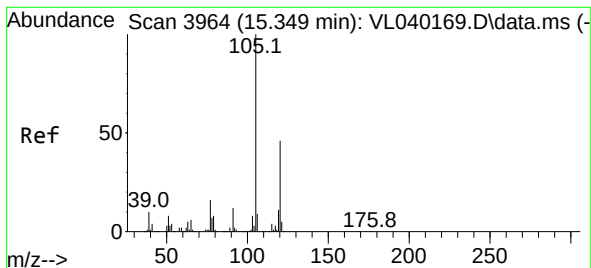


#72
4-Ethyltoluene
Concen: 10.454 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



Tgt Ion:105 Resp: 2486948
Ion Ratio Lower Upper
105 100
120 28.7 23.2 34.8
91 14.4 11.3 16.9
77 14.6 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 9.968 ppbv

RT: 15.346 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 220657

Ion Ratio Lower Upper

105 100

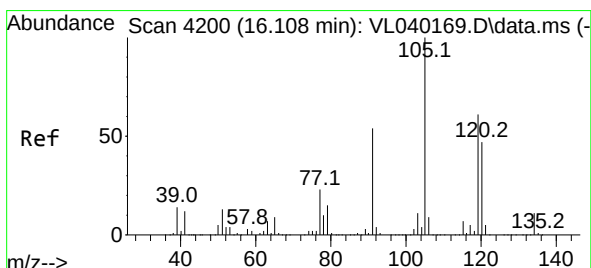
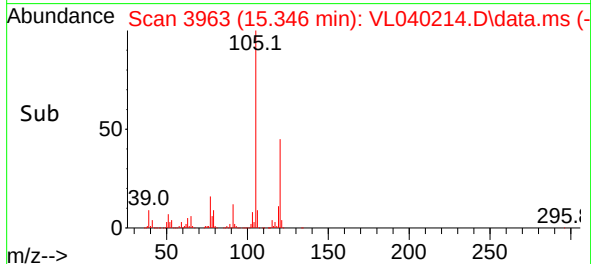
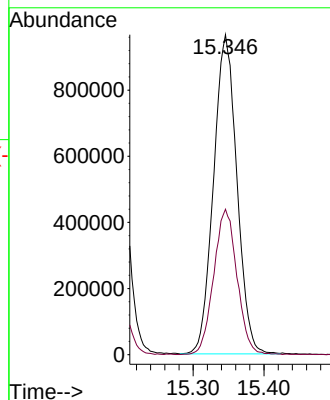
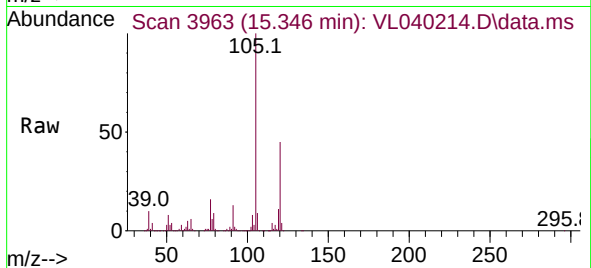
120 45.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.936 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.007 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Tgt Ion:105 Resp: 2415992

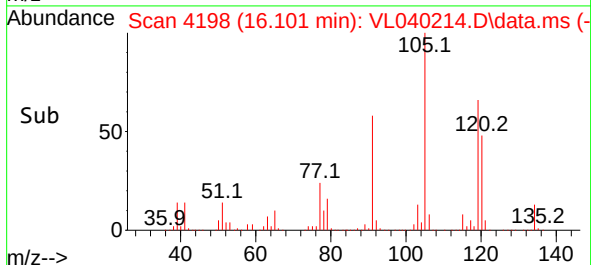
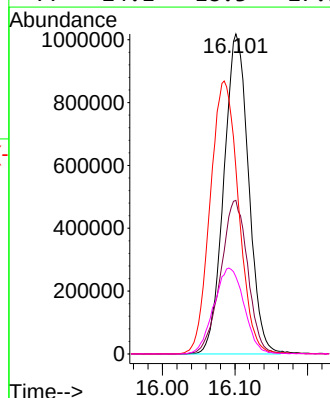
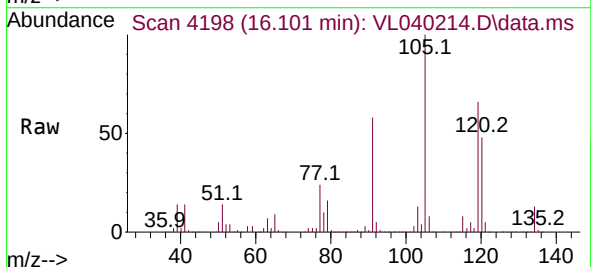
Ion Ratio Lower Upper

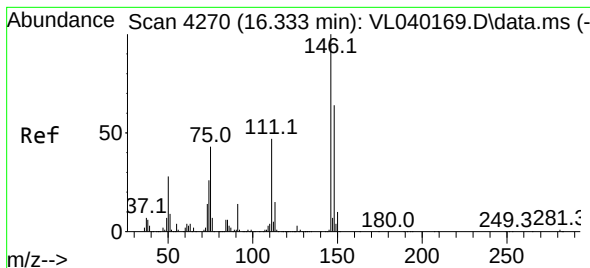
105 100

120 48.0 37.9 56.9

91 58.0 43.7 65.5

77 24.1 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 9.689 ppbv

RT: 16.326 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1289308

Ion Ratio Lower Upper

146 100

111 48.4 23.9 71.8

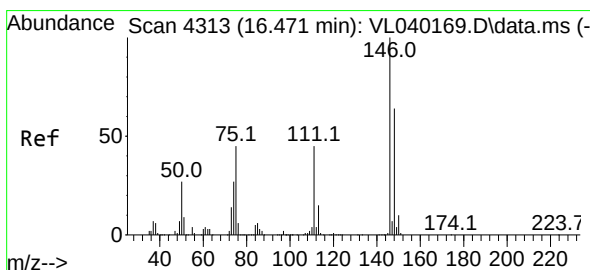
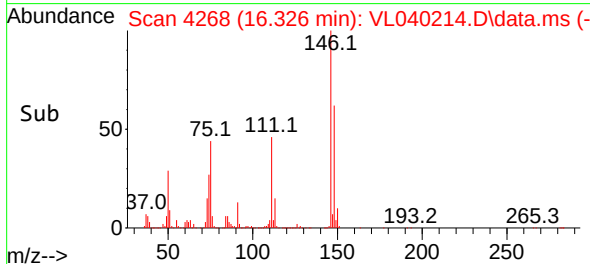
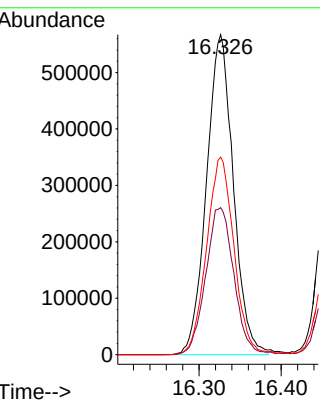
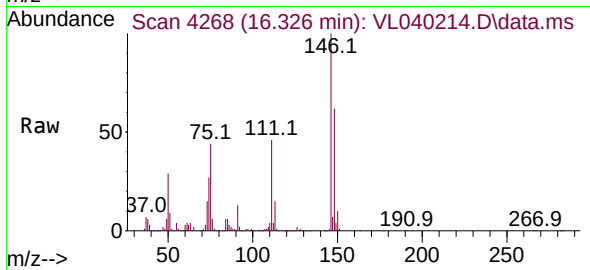
148 63.1 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#76

1,4-Dichlorobenzene

Concen: 9.609 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

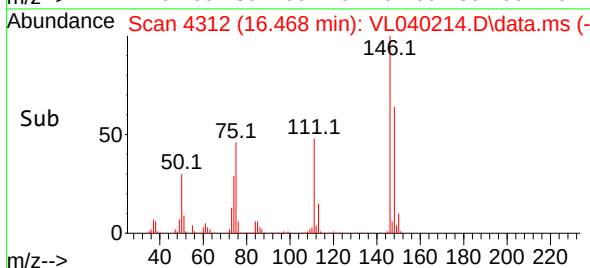
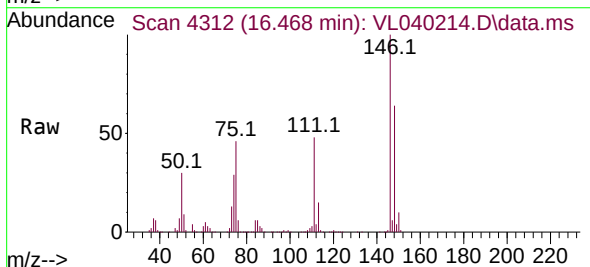
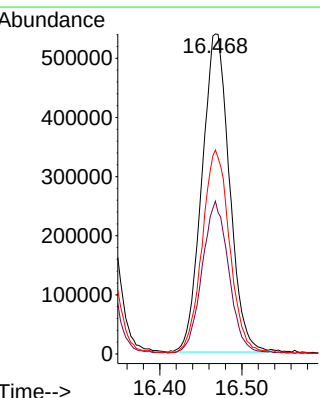
Tgt Ion:146 Resp: 1252943

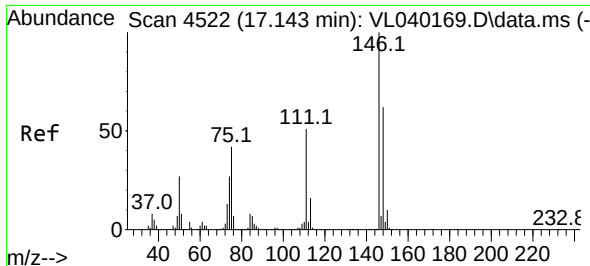
Ion Ratio Lower Upper

146 100

111 46.9 23.5 70.5

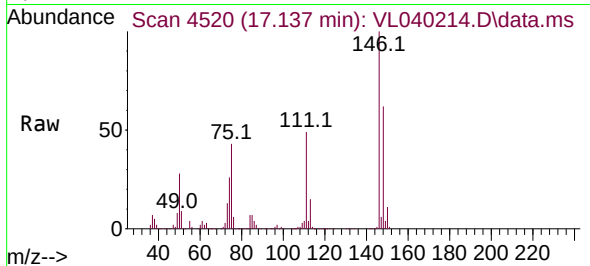
148 64.7 32.5 97.4





#77
1,2-Dichlorobenzene
Concen: 9.304 ppbv
RT: 17.137 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

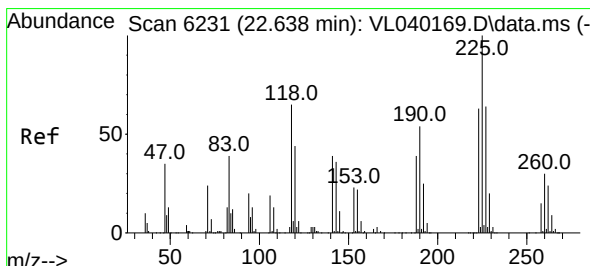
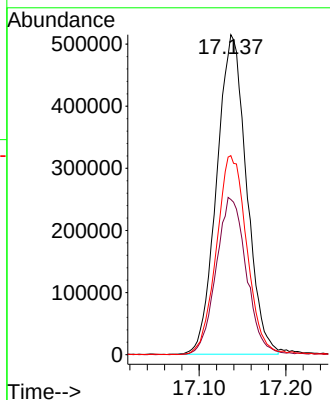
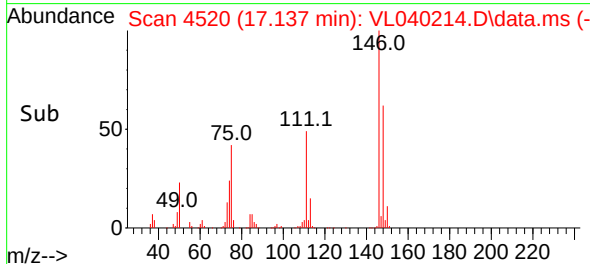
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



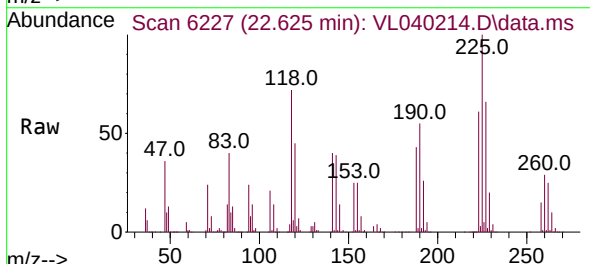
Tgt Ion:146 Resp: 1229772
Ion Ratio Lower Upper
146 100
111 50.0 25.3 75.8
148 64.0 32.0 96.2

Manual Integrations
APPROVED

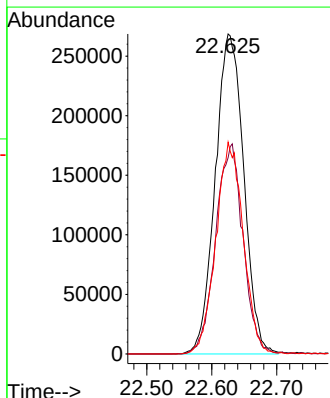
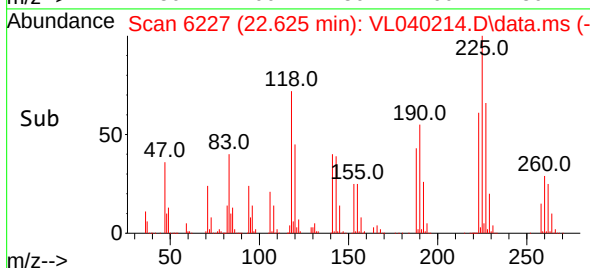
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

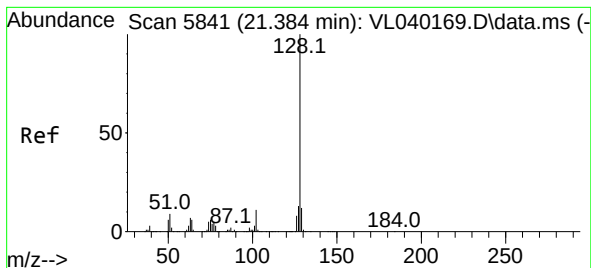


#78
Hexachloro-1,3-Butadiene
Concen: 9.008 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. -0.013 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26



Tgt Ion:225 Resp: 818010
Ion Ratio Lower Upper
225 100
223 63.4 51.0 76.6
227 63.7 51.2 76.8





#79

Naphthalene

Concen: 11.791 ppbv

RT: 21.381 min Scan# 5841

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 161076

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.4

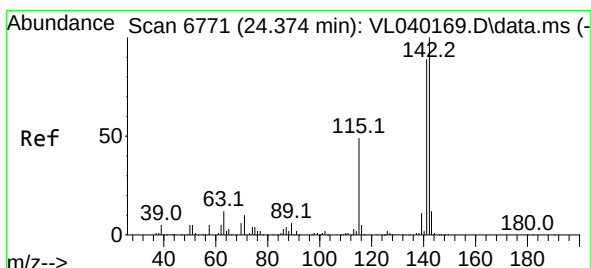
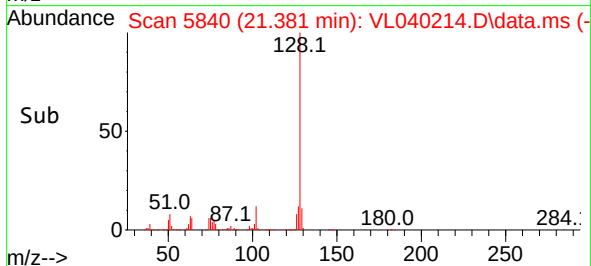
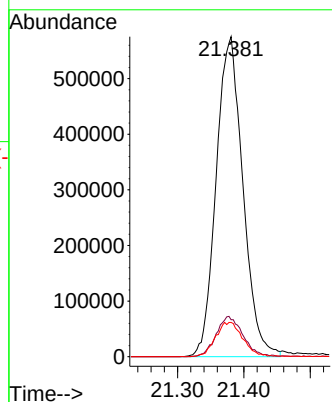
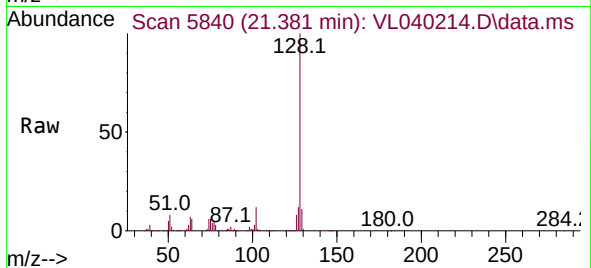
129 10.7 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#80

Naphthalene,2-methyl-

Concen: 8.689 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. -0.003 min

Lab File: VL040214.D

Acq: 22 Feb 2023 9:26

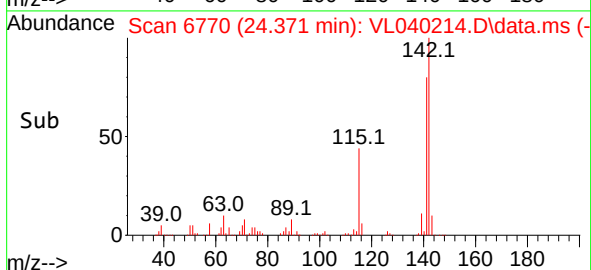
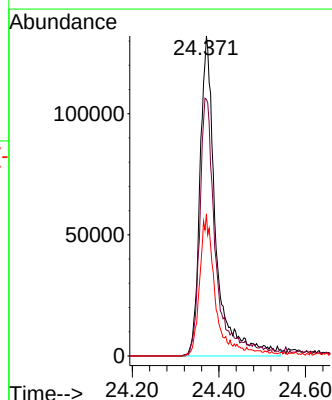
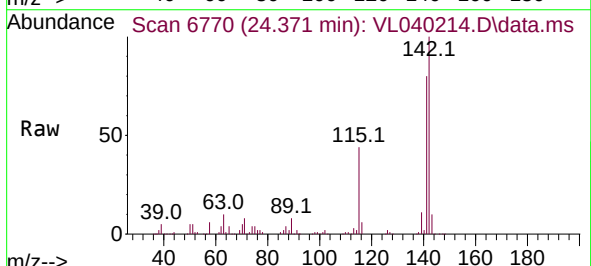
Tgt Ion:142 Resp: 337529

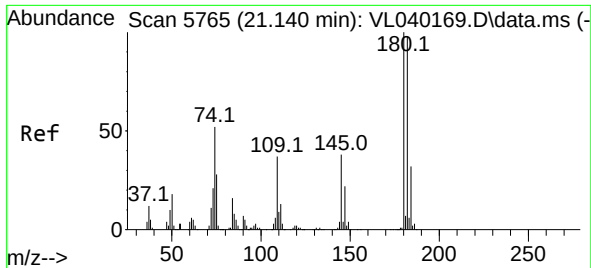
Ion Ratio Lower Upper

142 100

141 81.9 67.3 100.9

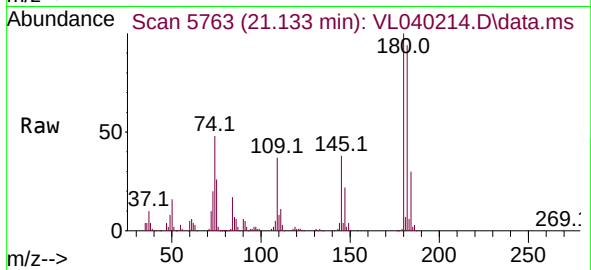
115 44.0 36.5 54.7





#81
1,2,4-Trichlorobenzene
Concen: 10.177 ppbv
RT: 21.133 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL040214.D
Acq: 22 Feb 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC



Tgt Ion:180 Resp: 869973
Ion Ratio Lower Upper
180 100
182 95.5 79.0 118.6
184 30.4 24.6 36.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

