

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040667.D
 Acq On : 7 Sep 2023 10:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 11:08:41 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	985374	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2564373	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2568281	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2184279 10.694 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2203723	10.383	ppbv	97
3) Chlorodifluoromethane	2.665	51	1558891	9.635	ppbv	94
4) Chloromethane	2.803	50	600619	9.518	ppbv	98
5) Vinyl Chloride	2.912	62	687752	10.264	ppbv	98
6) Bromomethane	3.108	94	378235	10.768	ppbv	100
7) Chloroethane	3.189	64	246075	10.068	ppbv	92
8) Dichlorotetrafluoroethane	2.848	85	1782328	10.375	ppbv	99
9) Propene	2.684	41	426297	8.503	ppbv	98
10) Heptane	7.584	43	1181157	10.232	ppbv	99
11) Trichlorofluoromethane	3.555	101	1981694	11.566	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1428785	11.234	ppbv	98
13) Ethanol	3.234	45	91017	6.505	ppbv	98
14) Bromoethene	3.359	108	587007	11.367	ppbv	98
15) Acetone	3.459	43	1254961	10.412	ppbv	99
16) 1,3-Butadiene	2.977	39	612250	10.215	ppbv	100
17) tert-Butyl alcohol	3.870	59	1269172	9.929	ppbv	100
18) 1,1-Dichloroethene	3.874	96	640009	11.105	ppbv	98
19) Isopropyl Alcohol	3.568	45	673839	8.817	ppbv #	98
20) Methylene Chloride	3.925	84	536338	9.106	ppbv	94
21) Allyl Chloride	3.989	41	821654	10.307	ppbv	95
22) trans-1,2-Dichloroethene	4.440	96	660821	11.680	ppbv	98
23) Vinyl Acetate	4.623	43	1406642	10.242	ppbv #	99
24) 1,1-Dichloroethane	4.558	63	1277583	10.878	ppbv	100
25) Ethyl Acetate	5.205	43	2133145	9.424	ppbv	99
26) Hexane	5.211	57	937672	8.562	ppbv	95
27) Carbon Disulfide	4.118	76	1566108	12.012	ppbv	100
28) Methyl tert-Butyl Ether	4.584	73	895071	10.572	ppbv	99
29) Chloroform	5.272	83	1749270	10.091	ppbv	97
30) Cyclohexane	6.603	84	795056	9.488	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	990177	10.018	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	1806389	10.882	ppbv	99
34) 2-Butanone	4.784	43	1315909	10.176	ppbv	98
35) Carbon Tetrachloride	6.494	117	1925560	12.000	ppbv	99
36) Benzene	6.375	78	1969404	9.653	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1357230	11.031	ppbv	97
38) Trichloroethene	7.298	130	837678	10.604	ppbv	96
39) 1,2-Dichloropropane	7.076	63	754144	9.717	ppbv	95
40) 1,4-Dioxane	7.288	88	240931	8.194	ppbv #	27
41) Tetrahydrofuran	5.555	42	694371	9.500	ppbv	99
42) Bromodichloromethane	7.253	83	1932251	11.283	ppbv	97
43) Methyl Methacrylate	7.478	69	827453	10.832	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	3288061	9.971	ppbv	96
45) t-1,3-Dichloropropene	8.716	75	767410	12.580	ppbv	96

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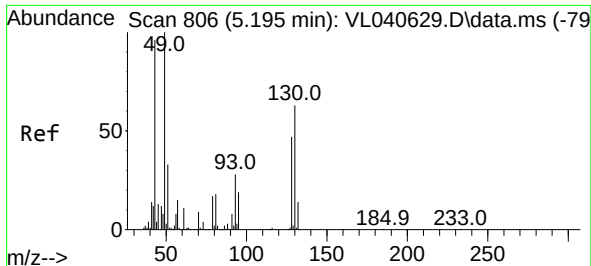
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

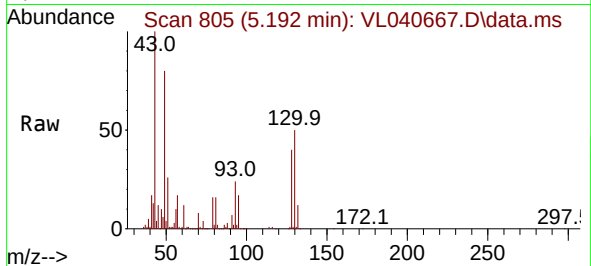
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	916440	12.315	ppbv	93
47) 1,1,2-Trichloroethane	8.906	97	892606	10.181	ppbv	98
48) Dibromochloromethane	9.719	129	1641597	11.964	ppbv	99
49) Bromoform	12.413	173	1402644	12.759	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2021907	10.703	ppbv	100
51) 2-Hexanone	9.555	43	1526325	11.466	ppbv #	97
52) Tetrachloroethene	10.623	164	725015	11.348	ppbv	97
53) Toluene	9.227	91	2383674	10.995	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1313454	11.766	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.516	131	1241239	10.446	ppbv	98
57) Chlorobenzene	11.536	112	1979792	9.988	ppbv #	96
58) Ethyl Benzene	12.095	91	3377749	10.907	ppbv	98
59) m/p-Xylene	12.378	91	6065927m	21.472	ppbv	
60) o-Xylene	13.069	91	2952853	11.028	ppbv	99
61) Styrene	12.905	104	1415712	12.066	ppbv	98
62) Isopropylbenzene	14.037	105	4278574	10.558	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	2126884	10.606	ppbv	99
64) n-propylbenzene	14.925	120	1110948	10.847	ppbv	99
65) tert-Butylbenzene	16.098	119	3855514	10.977	ppbv	98
66) Benzyl Chloride	16.336	91	509933	11.546	ppbv	98
67) sec-Butylbenzene	16.645	105	5475518	10.685	ppbv	100
69) p-Isopropyltoluene	17.005	119	4437405	11.067	ppbv	99
70) n-Butylbenzene	17.892	91	4852319	11.085	ppbv	100
71) 2-Chlorotoluene	14.809	91	3315061	11.025	ppbv	99
72) 4-Ethyltoluene	15.201	105	3435939	11.367	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2975775	11.013	ppbv	99
74) 1,2,4-Trimethylbenzene	16.118	105	3427847	10.863	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1939023	10.627	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	1898552	10.644	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1891808	10.538	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1335669	9.807	ppbv	99
79) Naphthalene	21.391	128	2810644	13.486	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	854093	14.241	ppbv	92
81) 1,2,4-Trichlorobenzene	21.149	180	1548394	11.288	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

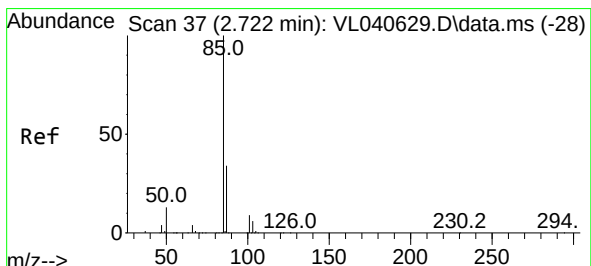
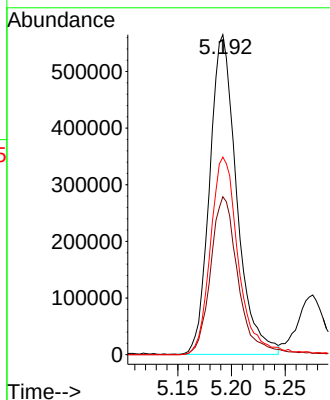
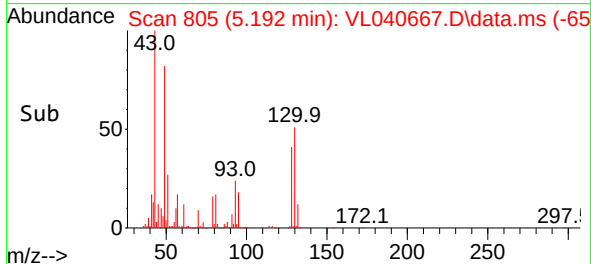
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



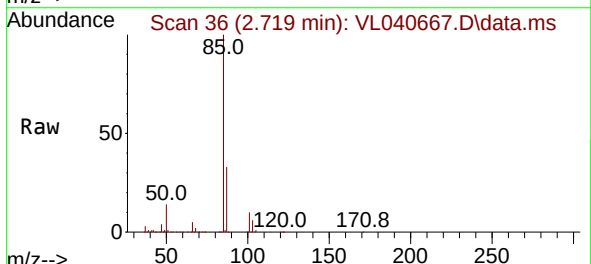
Tgt Ion: 49 Resp: 985374
Ion Ratio Lower Upper
49 100
128 50.9 24.9 74.7
130 65.5 32.2 96.6

Manual Integrations
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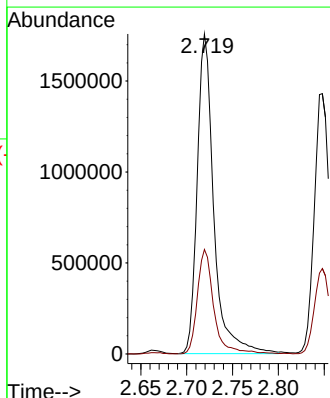
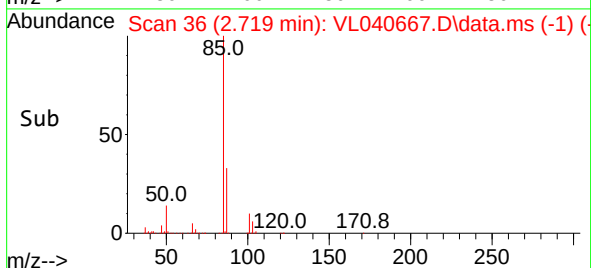
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

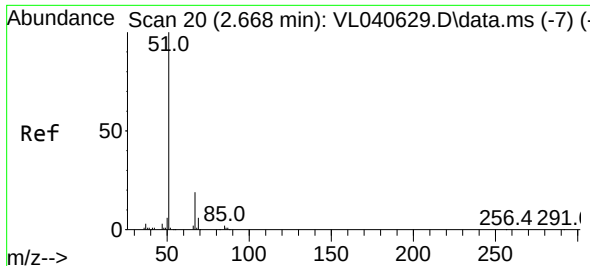


#2
Dichlorodifluoromethane
Concen: 10.383 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



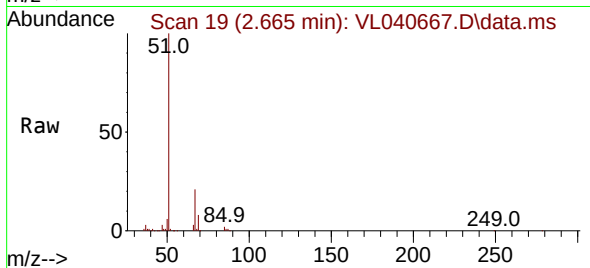
Tgt Ion: 85 Resp: 2203723
Ion Ratio Lower Upper
85 100
87 32.7 27.5 41.3





#3
Chlorodifluoromethane
Concen: 9.635 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

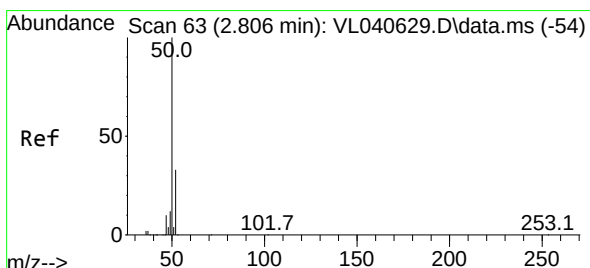
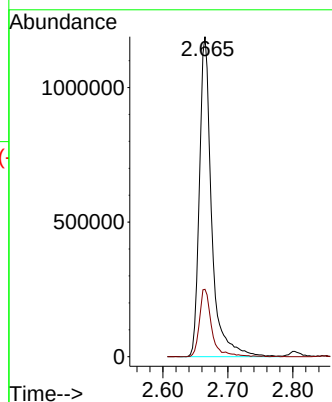
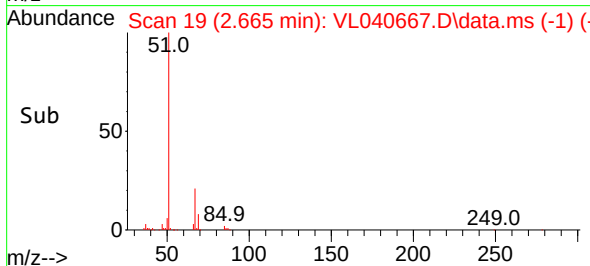
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 155889
Ion Ratio Lower Upper
51 100
67 21.4 15.0 22.6

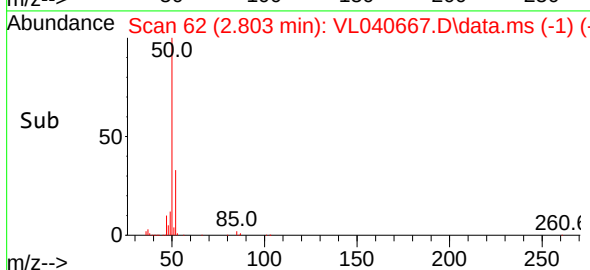
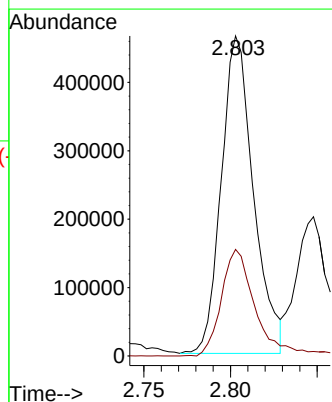
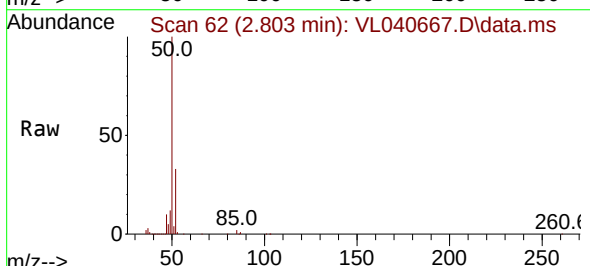
Manual Integrations
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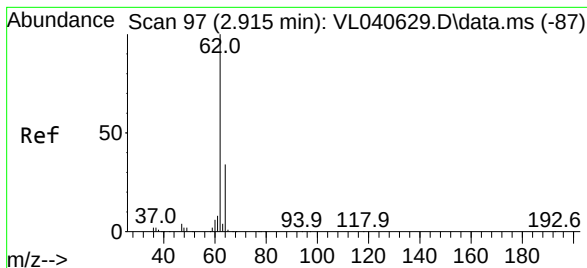
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#4
Chloromethane
Concen: 9.518 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

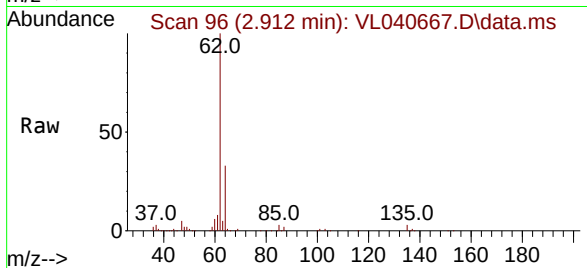
Tgt Ion: 50 Resp: 600619
Ion Ratio Lower Upper
50 100
52 33.6 26.2 39.2





#5
 Vinyl Chloride
 Concen: 10.264 ppbv
 RT: 2.912 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

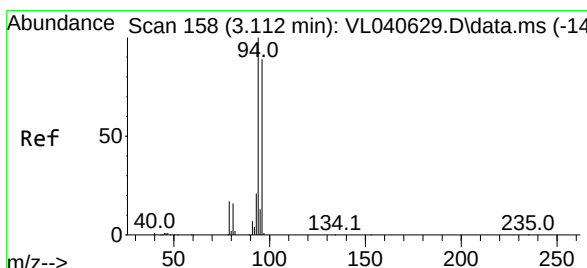
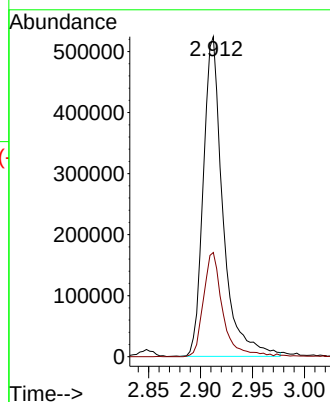
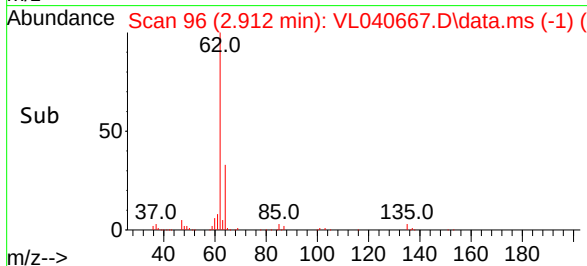
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



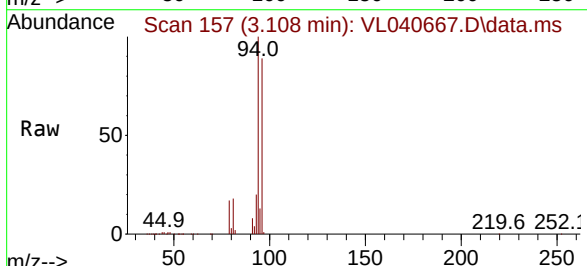
Tgt Ion: 62 Resp: 687752
 Ion Ratio Lower Upper
 62 100
 64 32.6 27.0 40.6

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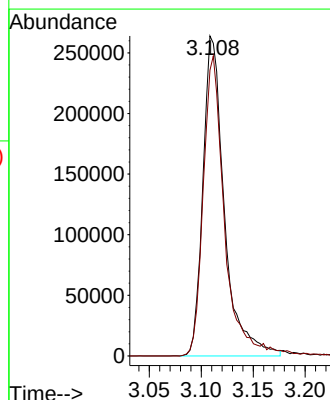
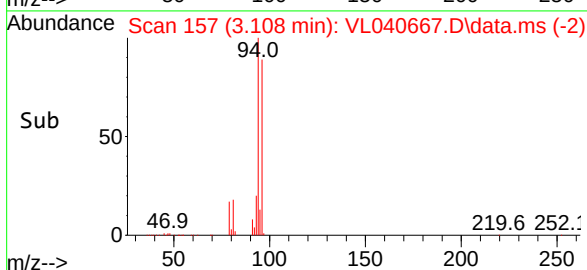
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

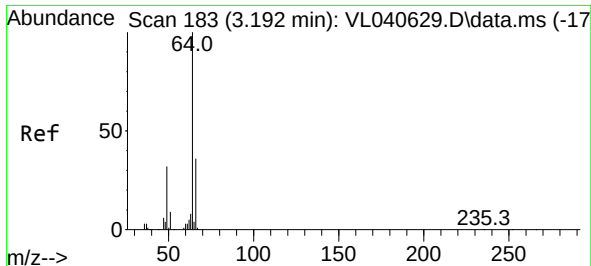


#6
 Bromomethane
 Concen: 10.768 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37



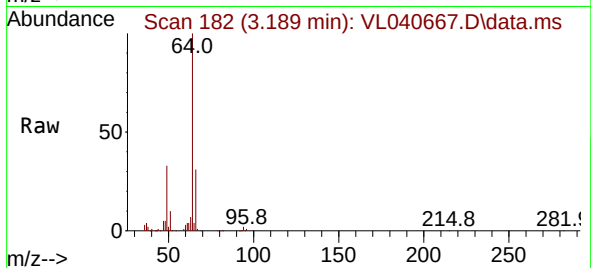
Tgt Ion: 94 Resp: 378235
 Ion Ratio Lower Upper
 94 100
 96 89.3 71.5 107.3





#7
Chloroethane
Concen: 10.068 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

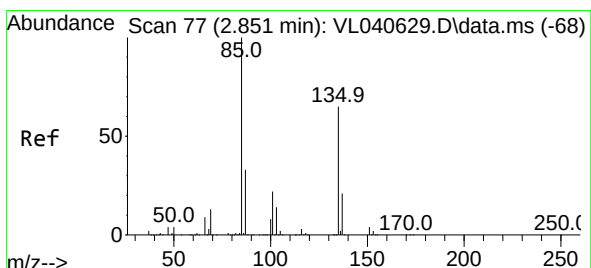
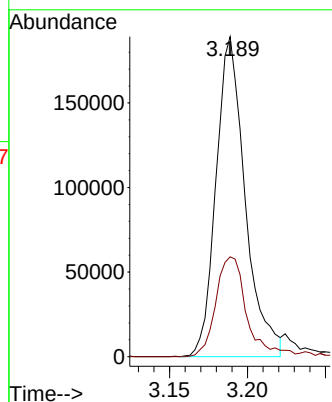
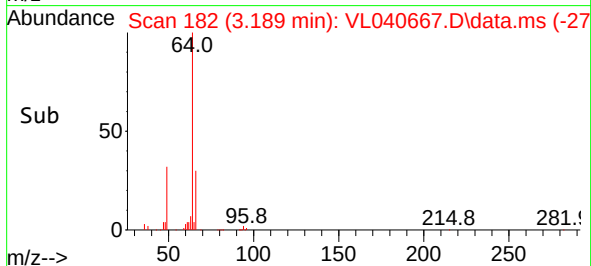
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 246075
Ion Ratio Lower Upper
64 100
66 31.2 28.7 43.1

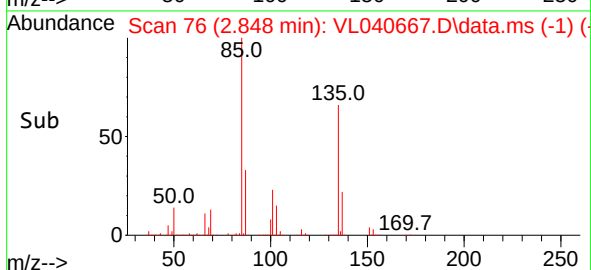
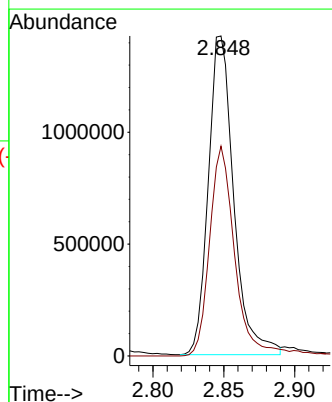
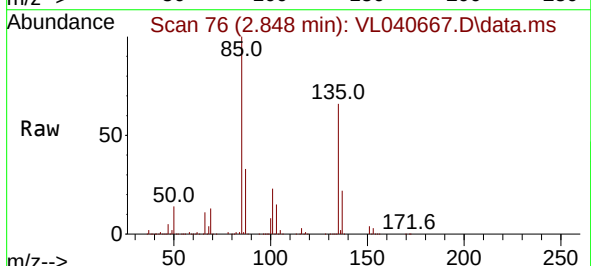
Manual Integrations
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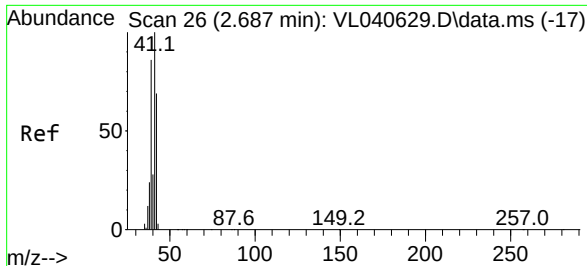
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#8
Dichlorotetrafluoroethane
Concen: 10.375 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 85 Resp: 1782328
Ion Ratio Lower Upper
85 100
135 66.6 52.8 79.2





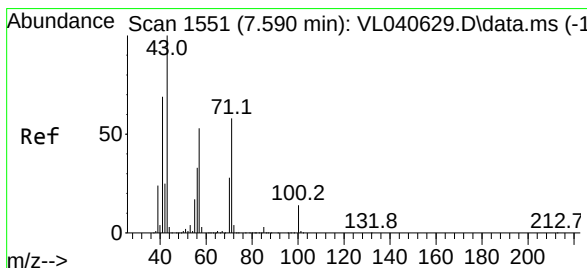
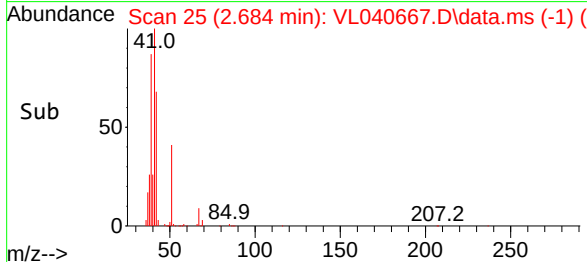
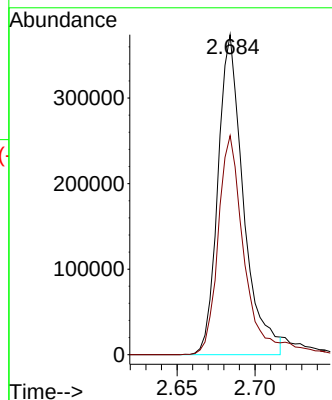
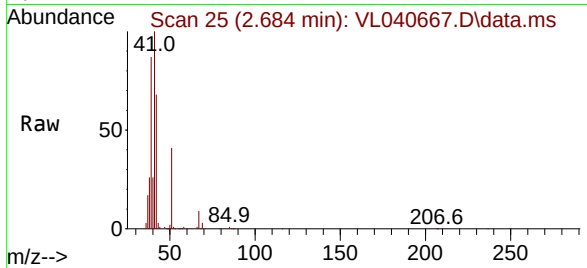
#9
 Propene
 Concen: 8.503 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 42629
 Ion Ratio Lower Upper
 41 100
 42 72.4 56.5 84.7

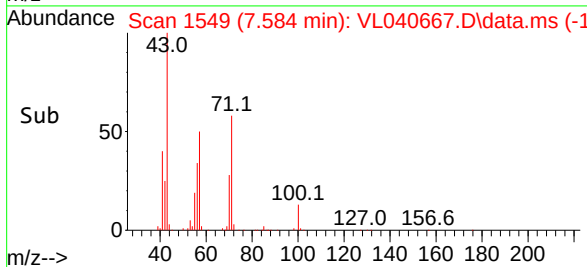
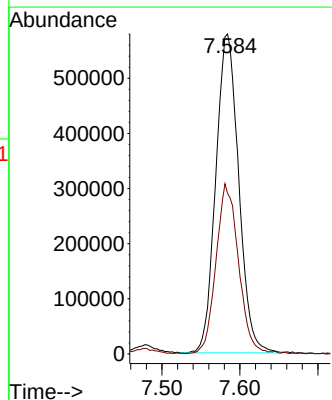
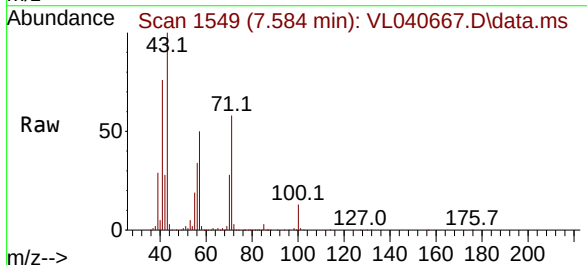
Manual Integrations
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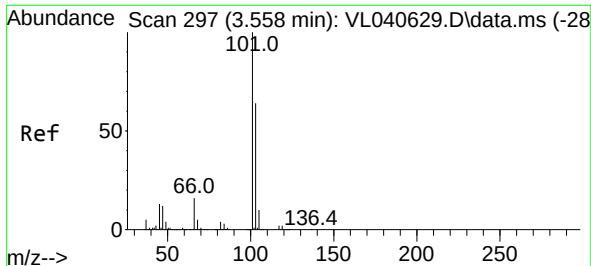
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#10
 Heptane
 Concen: 10.232 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Tgt Ion: 43 Resp: 1181157
 Ion Ratio Lower Upper
 43 100
 57 52.5 42.5 63.7





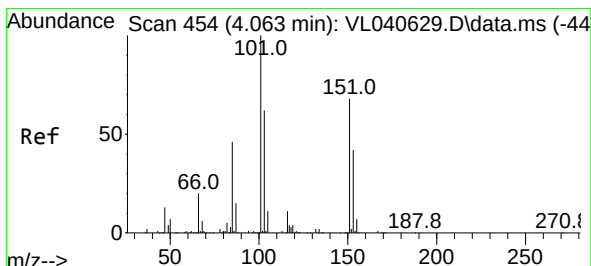
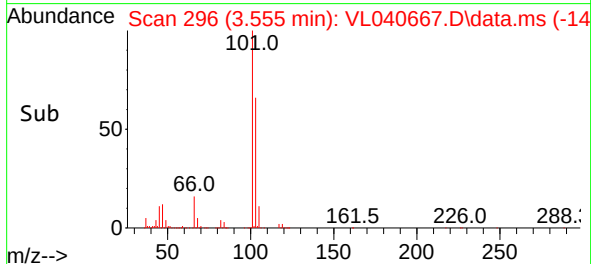
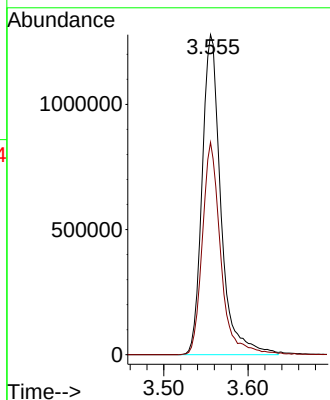
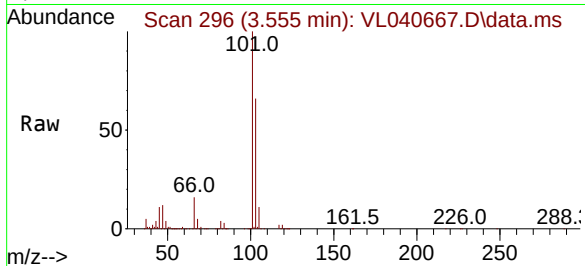
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 Trichlorofluoromethane
 Concen: 11.566 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. -0.003 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1981694
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.1 76.7

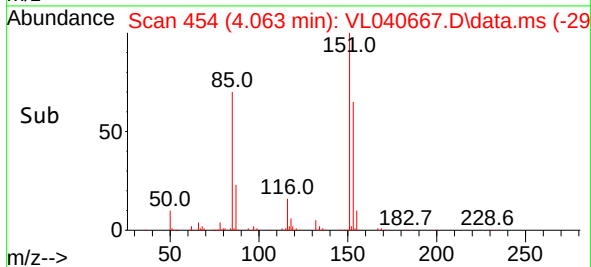
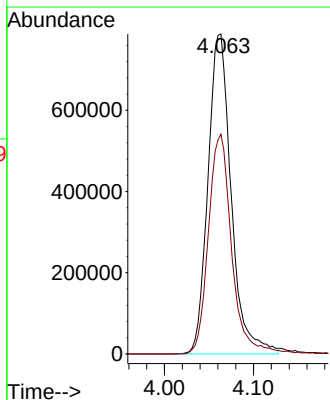
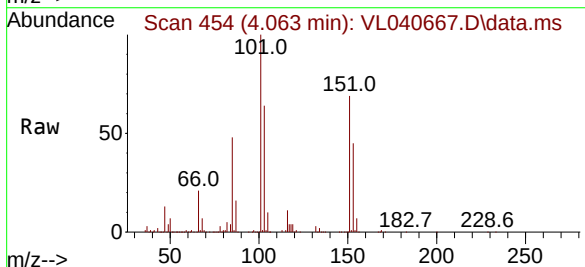
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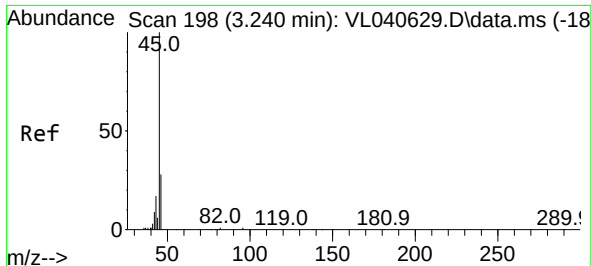
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.234 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.000 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

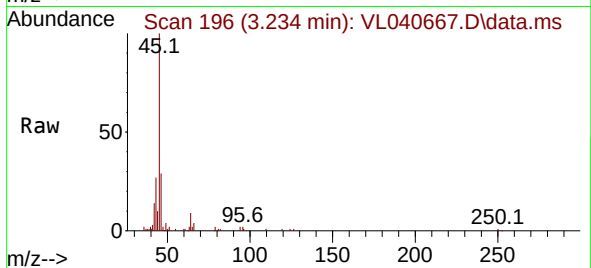
Tgt Ion:101 Resp: 1428785
 Ion Ratio Lower Upper
 101 100
 151 68.9 56.2 84.2





#13
Ethanol
Concen: 6.505 ppbv
RT: 3.234 min Scan# 198
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

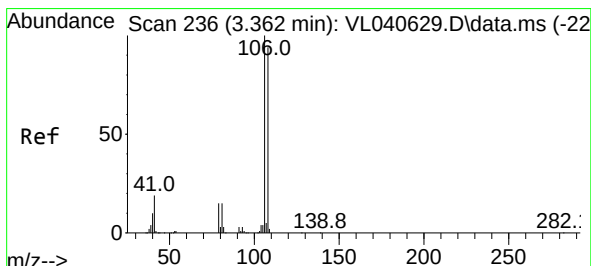
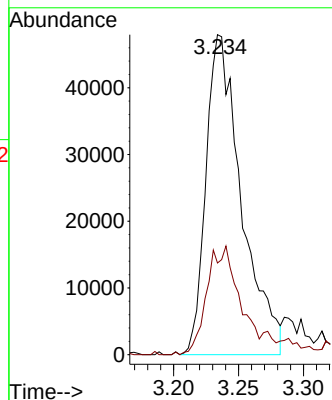
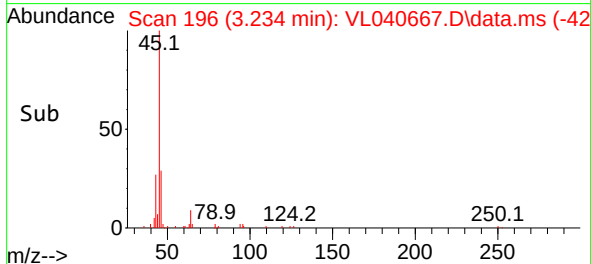
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



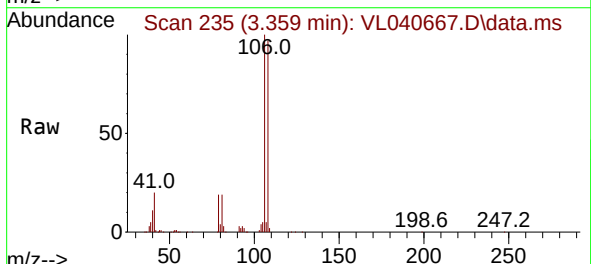
Tgt Ion: 45 Resp: 9101
Ion Ratio Lower Upper
45 100
46 36.4 14.2 56.6

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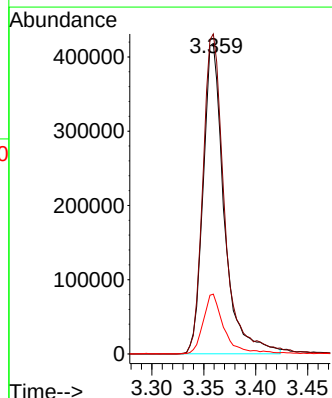
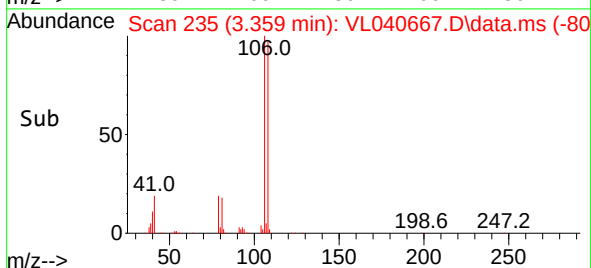
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

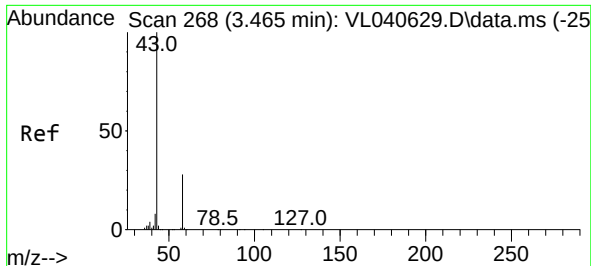


#14
Bromoethene
Concen: 11.367 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



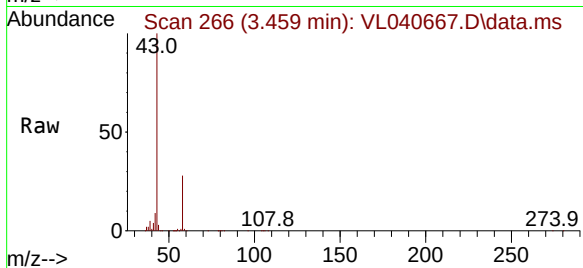
Tgt Ion:108 Resp: 587007
Ion Ratio Lower Upper
108 100
106 107.4 87.3 130.9
79 20.0 14.4 21.6





#15
Acetone
Concen: 10.412 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

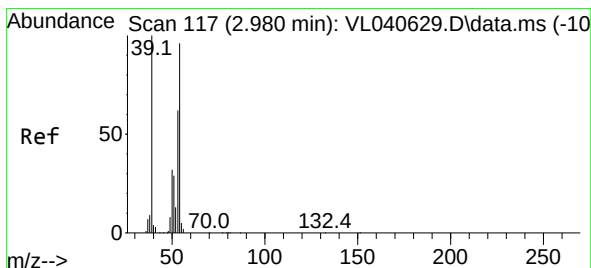
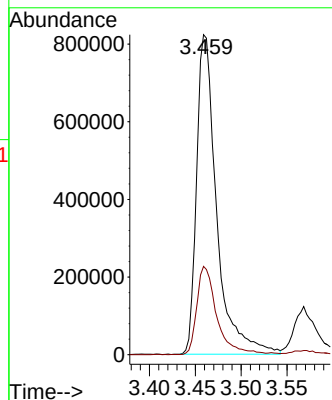
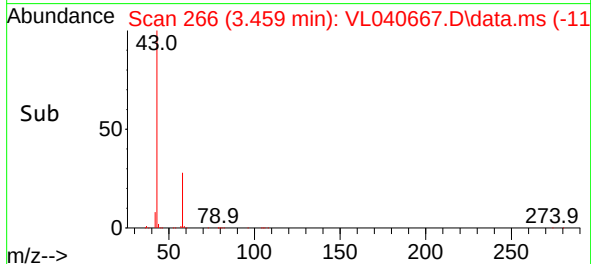
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 125496
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

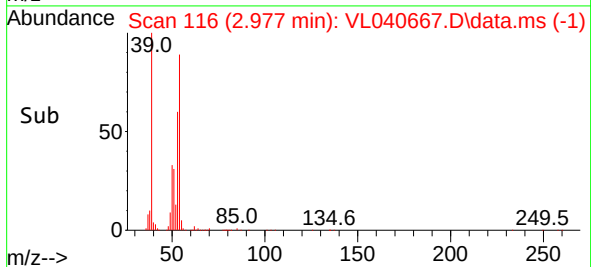
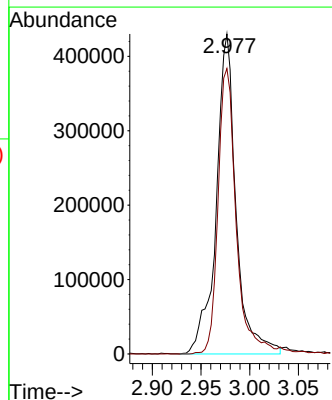
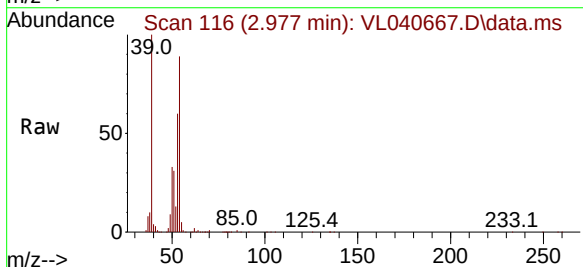
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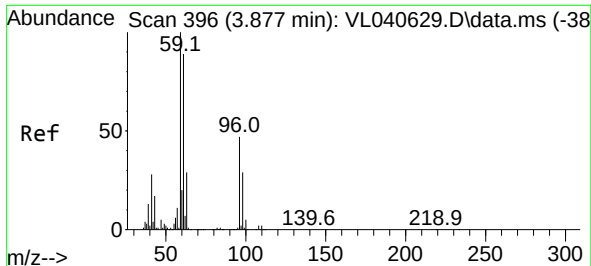
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#16
1,3-Butadiene
Concen: 10.215 ppbv
RT: 2.977 min Scan# 116
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 39 Resp: 612250
Ion Ratio Lower Upper
39 100
54 83.0 66.6 99.8





#17

tert-Butyl alcohol

Concen: 9.929 ppbv

RT: 3.870 min Scan# 396

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 126917

Ion Ratio Lower Upper

59 100

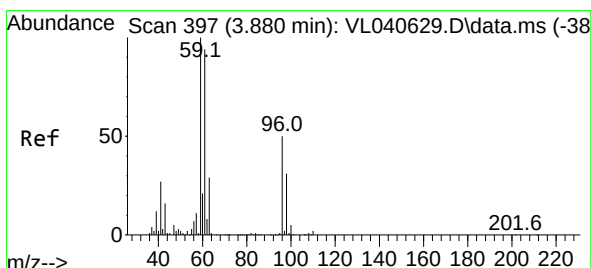
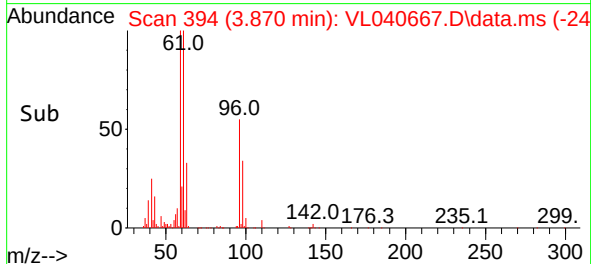
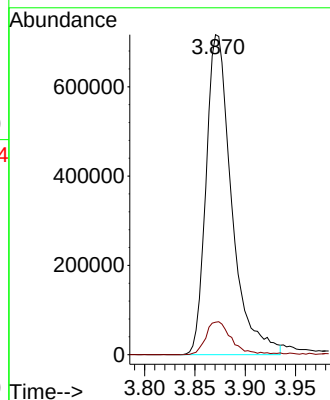
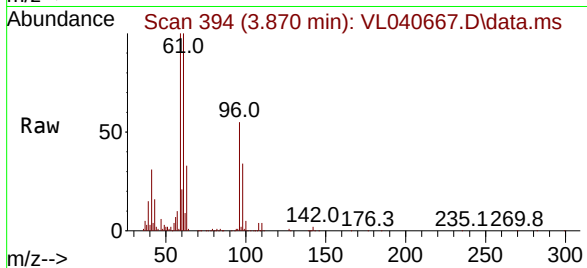
57 10.7 8.4 12.6

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Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#18

1,1-Dichloroethene

Concen: 11.105 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

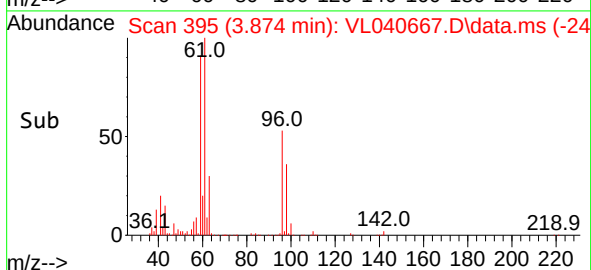
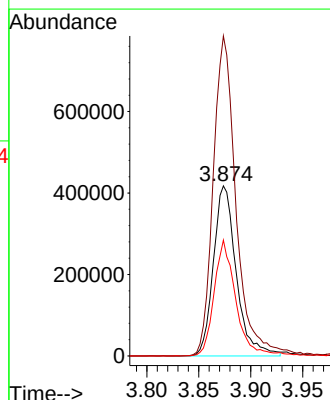
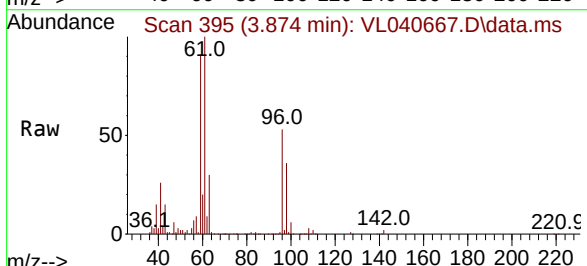
Tgt Ion: 96 Resp: 640009

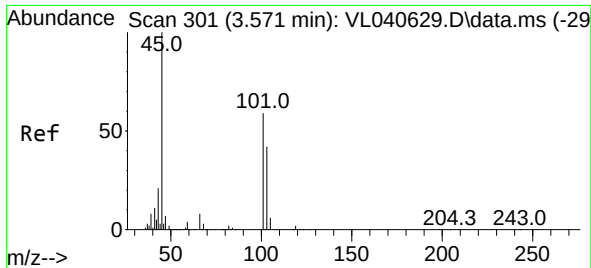
Ion Ratio Lower Upper

96 100

61 188.1 150.4 225.6

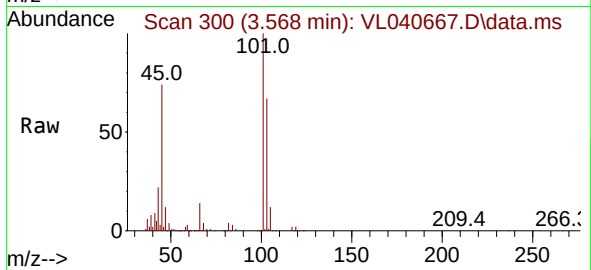
98 68.1 49.7 74.5





#19
Isopropyl Alcohol
Concen: 8.817 ppbv
RT: 3.568 min Scan# 301
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

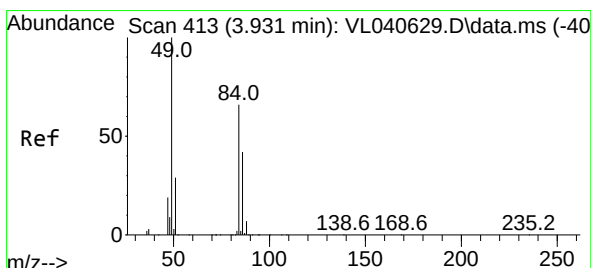
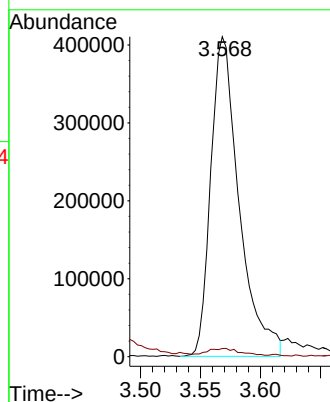
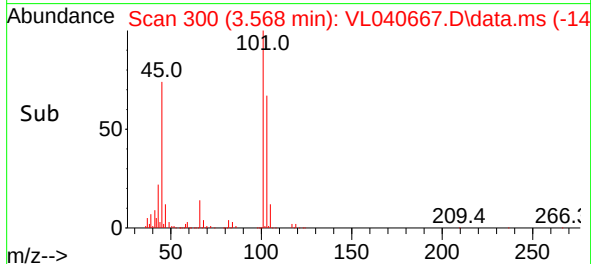
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



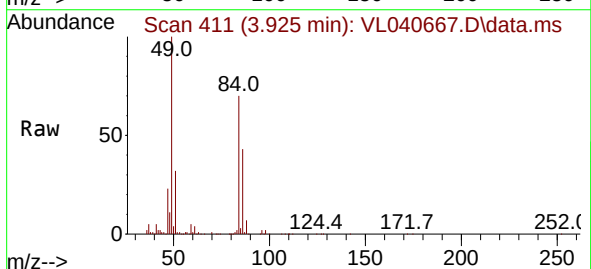
Tgt Ion: 45 Resp: 673839
Ion Ratio Lower Upper
45 100
58 3.0 1.9 2.9

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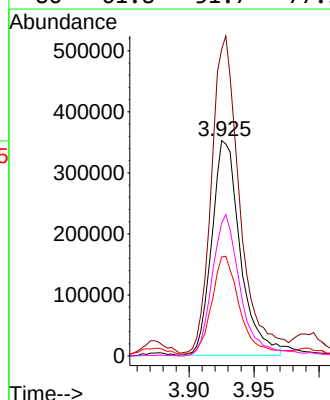
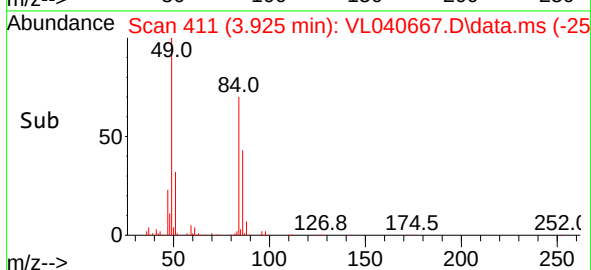
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

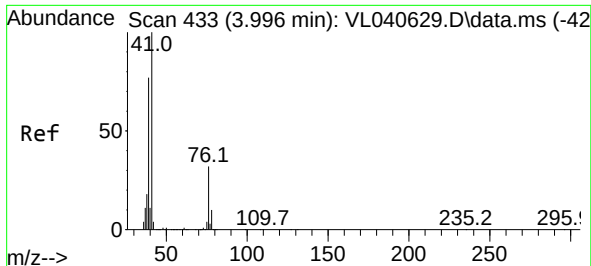


#20
Methylene Chloride
Concen: 9.106 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



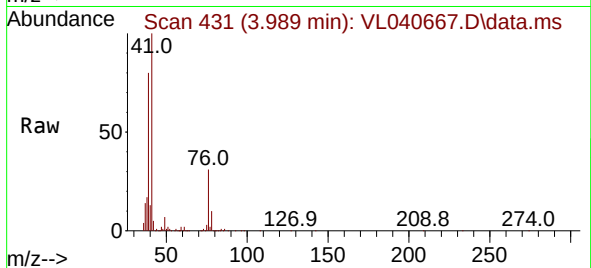
Tgt Ion: 84 Resp: 536338
Ion Ratio Lower Upper
84 100
49 141.5 122.1 183.1
51 45.2 35.4 53.2
86 61.8 51.7 77.5





#21
 Allyl Chloride
 Concen: 10.307 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

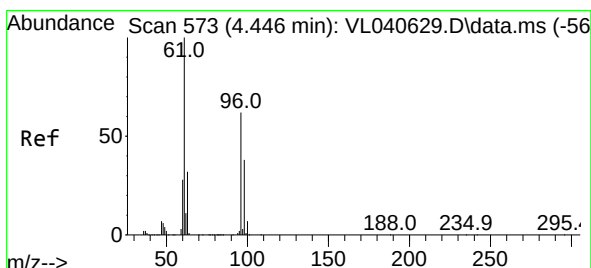
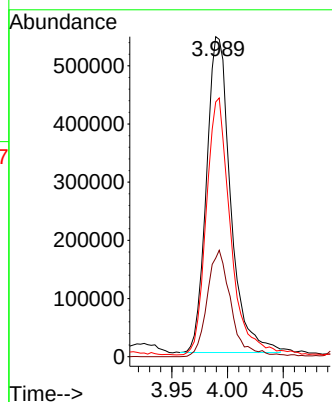
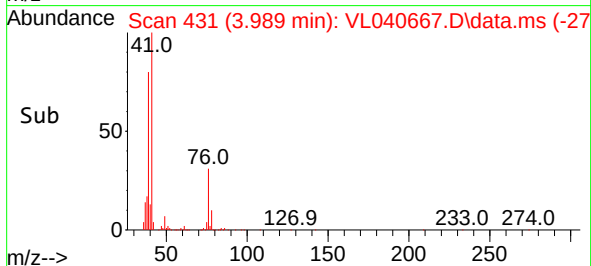
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



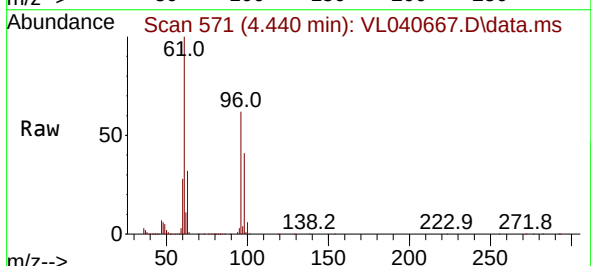
Tgt Ion: 41 Resp: 821654
 Ion Ratio Lower Upper
 41 100
 76 33.5 25.5 38.3
 39 82.1 61.8 92.6

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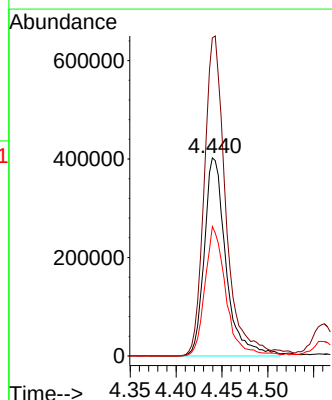
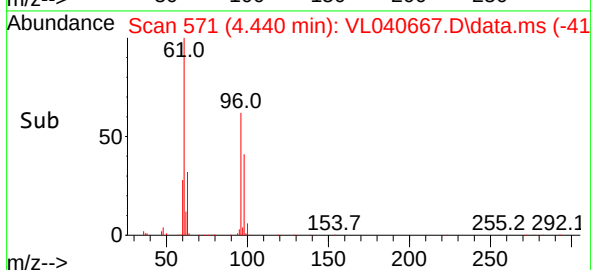
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

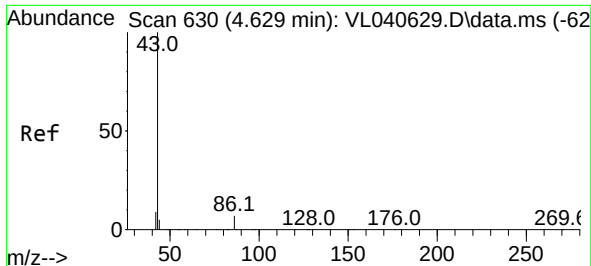


#22
 trans-1,2-Dichloroethene
 Concen: 11.680 ppbv
 RT: 4.440 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37



Tgt Ion: 96 Resp: 660821
 Ion Ratio Lower Upper
 96 100
 61 160.4 128.1 192.1
 98 65.3 48.1 72.1





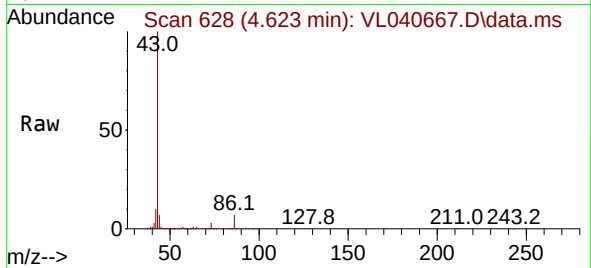
#23
 Vinyl Acetate
 Concen: 10.242 ppbv
 RT: 4.623 min Scan# 610
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



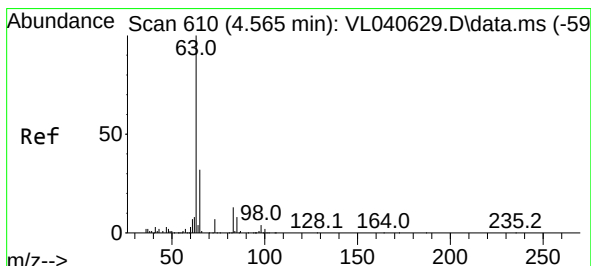
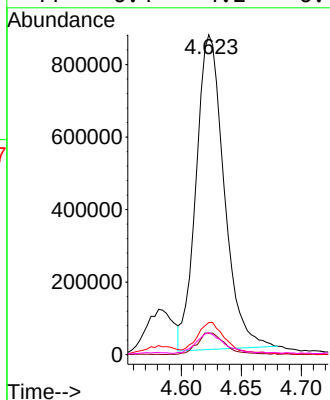
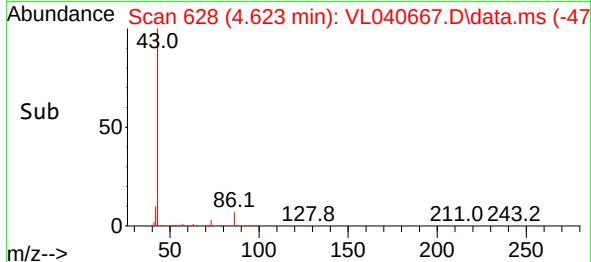
Tgt Ion: 43 Resp: 140664

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.0	7.6
42	9.9	7.8	11.8
44	6.4	4.2	6.4

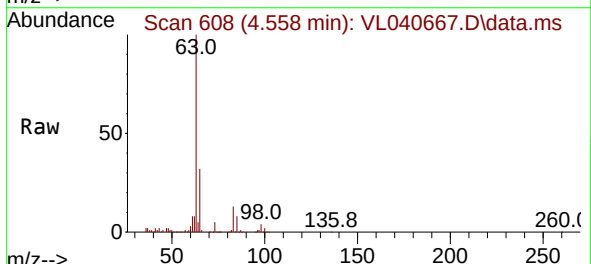
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Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

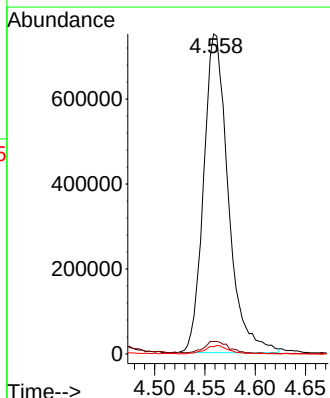
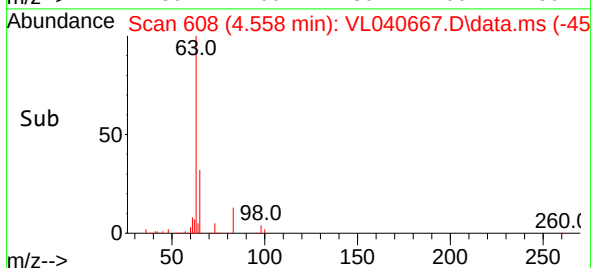


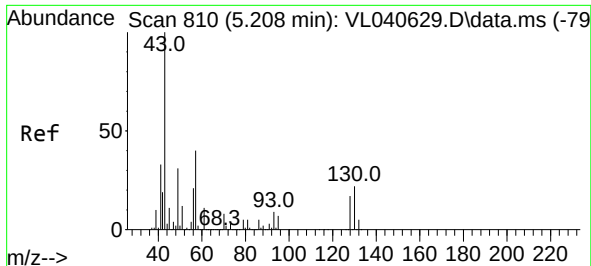
#24
 1,1-Dichloroethane
 Concen: 10.878 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37



Tgt Ion: 63 Resp: 1277583

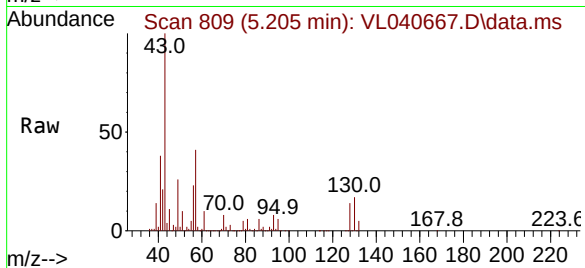
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.0	6.0
100	2.2	1.1	3.3





#25
Ethyl Acetate
Concen: 9.424 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

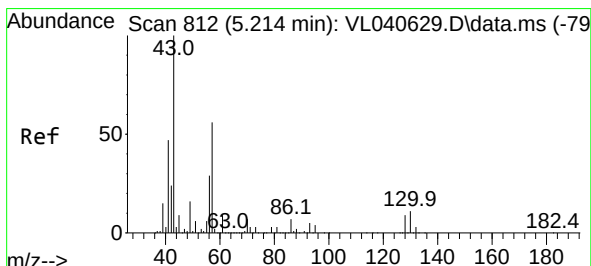
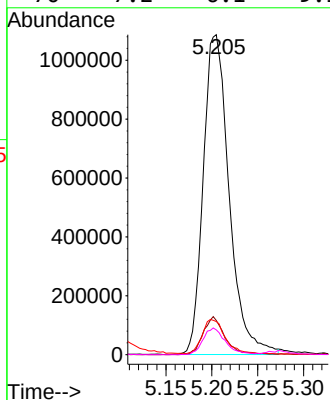
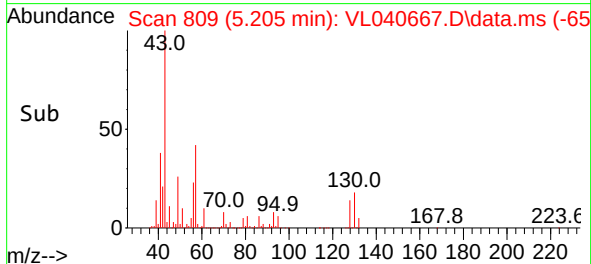


Tgt Ion: 43 Resp: 213314

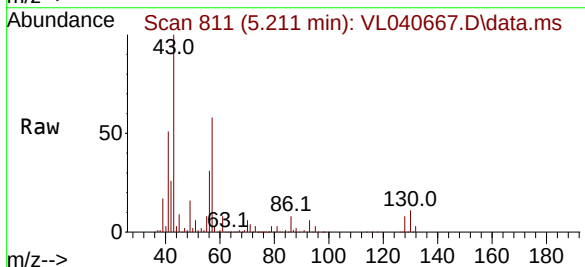
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.2	8.3	12.5
70	7.2	6.1	9.1

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Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

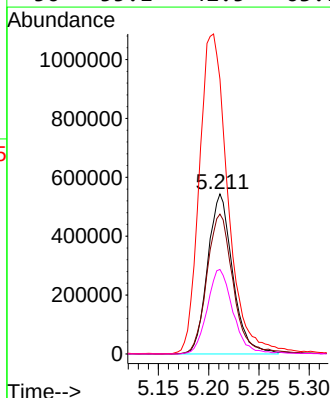
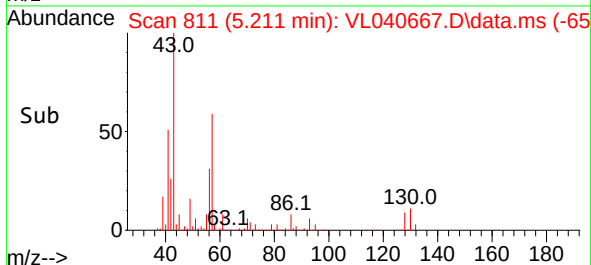


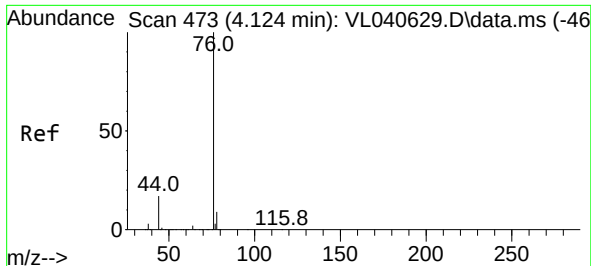
#26
Hexane
Concen: 8.562 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



Tgt Ion: 57 Resp: 937672

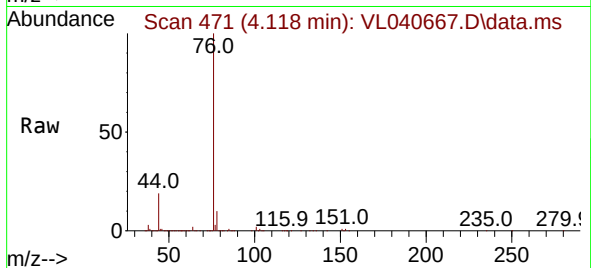
Ion	Ratio	Lower	Upper
57	100		
41	93.0	69.3	103.9
43	230.8	177.9	266.9
56	55.1	42.5	63.7





#27
Carbon Disulfide
Concen: 12.012 ppbv
RT: 4.118 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

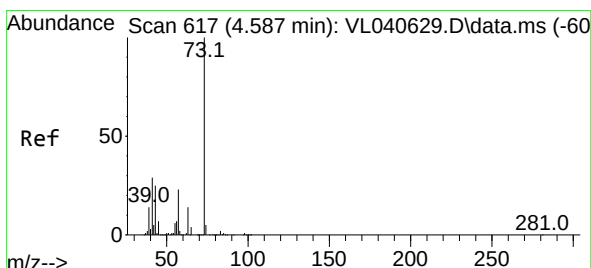
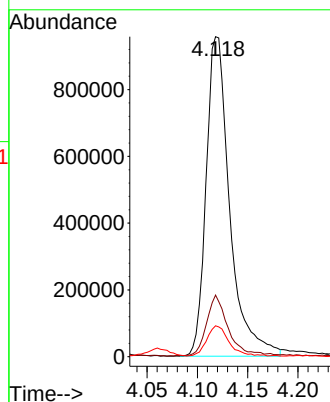
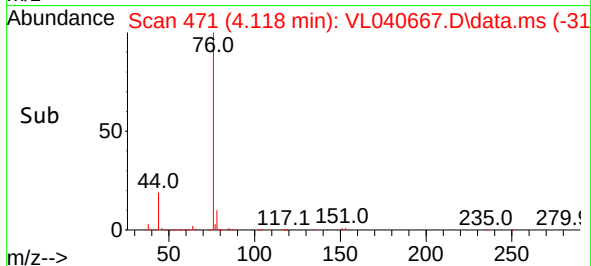
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 76 Resp: 1566108
Ion Ratio Lower Upper
76 100
44 18.0 14.3 21.5
78 9.5 7.4 11.0

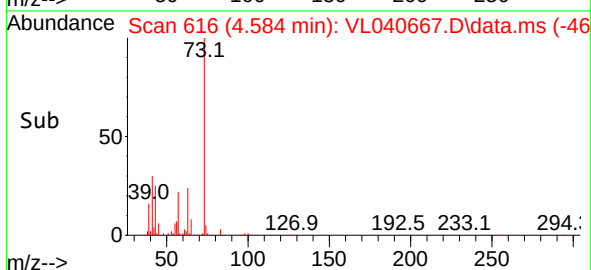
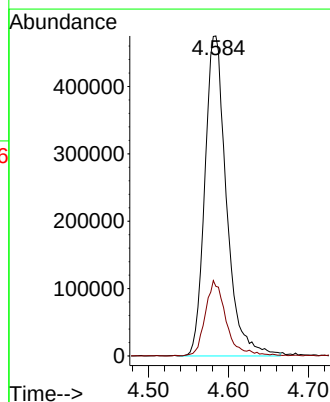
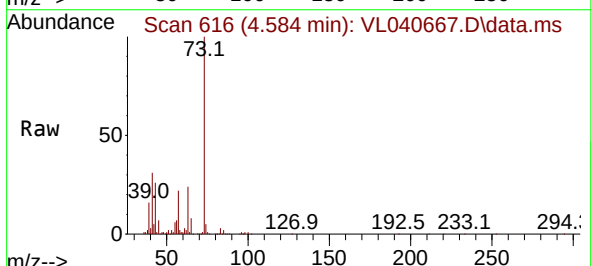
Manual Integrations
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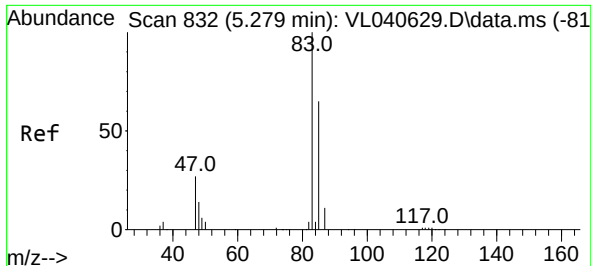
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#28
Methyl tert-Butyl Ether
Concen: 10.572 ppbv
RT: 4.584 min Scan# 616
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 73 Resp: 895071
Ion Ratio Lower Upper
73 100
57 23.1 18.9 28.3





#29

Chloroform

Concen: 10.091 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1749270

Ion Ratio Lower Upper

83 100

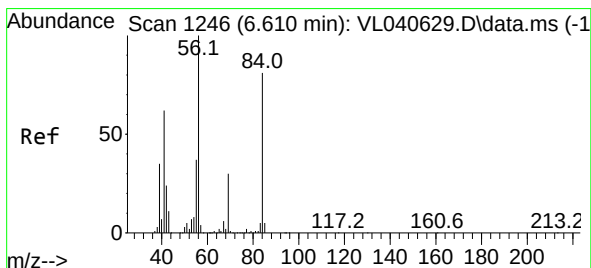
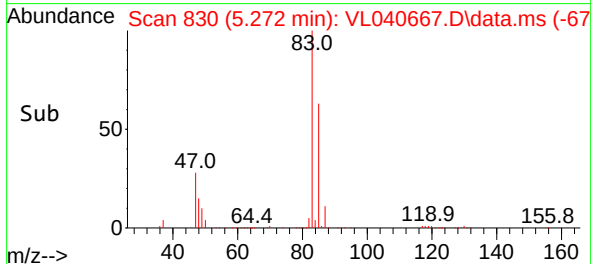
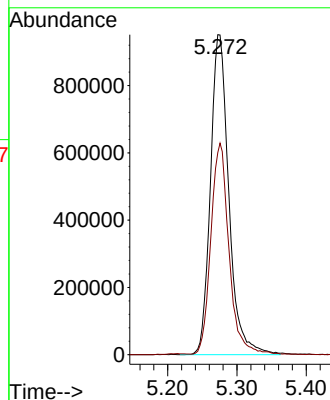
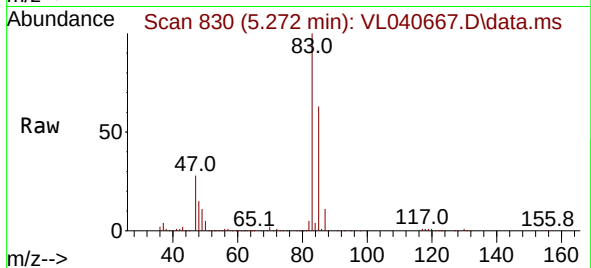
85 62.9 52.2 78.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#30

Cyclohexane

Concen: 9.488 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

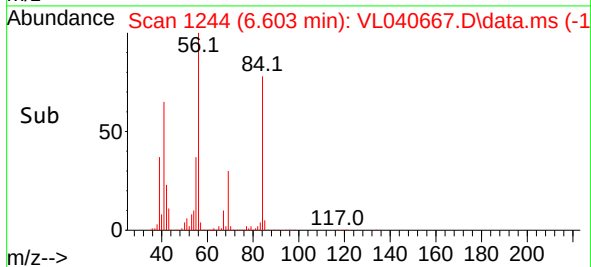
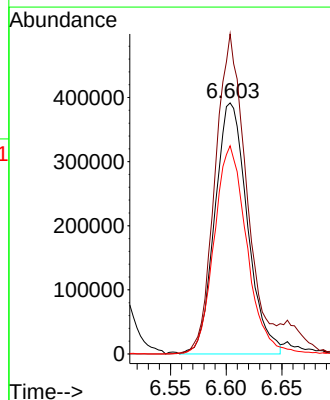
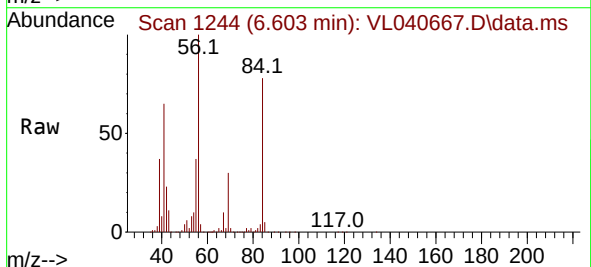
Tgt Ion: 84 Resp: 795056

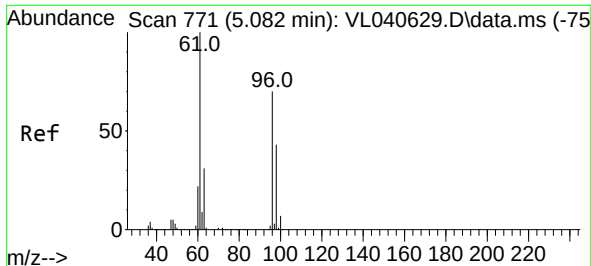
Ion Ratio Lower Upper

84 100

56 132.6 105.4 158.2

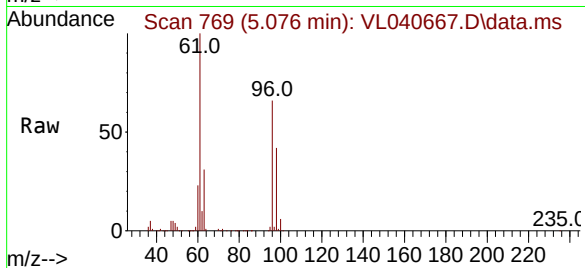
41 83.7 64.2 96.2





#31
 cis-1,2-Dichloroethene
 Concen: 10.018 ppbv
 RT: 5.076 min Scan# 70
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

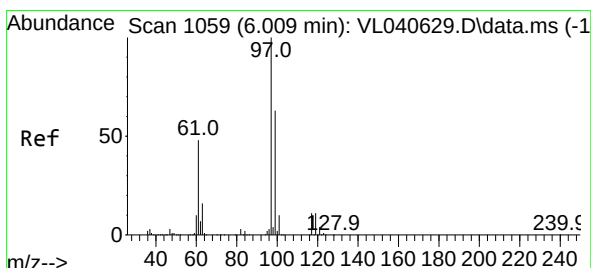
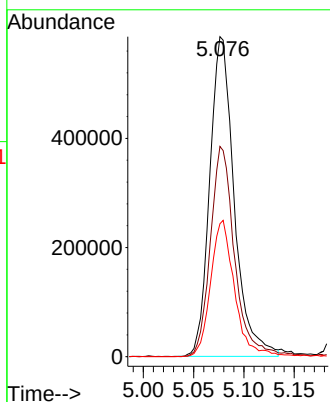
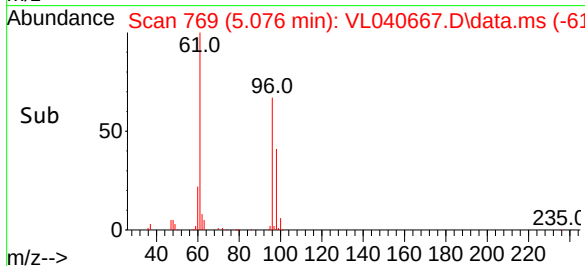
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 61 Resp: 99017
 Ion Ratio Lower Upper
 61 100
 96 65.7 55.8 83.6
 98 41.5 34.8 52.2

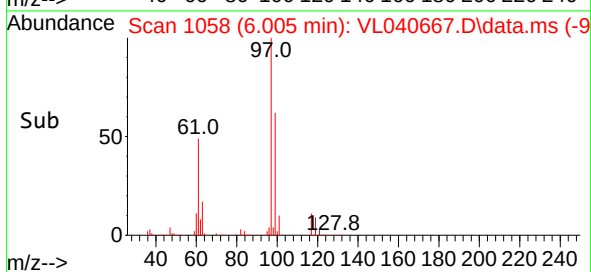
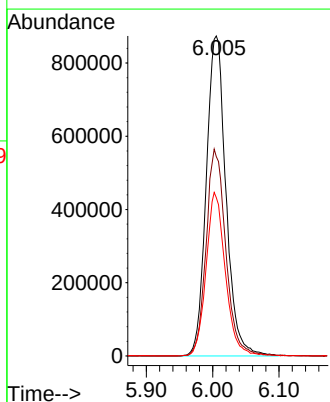
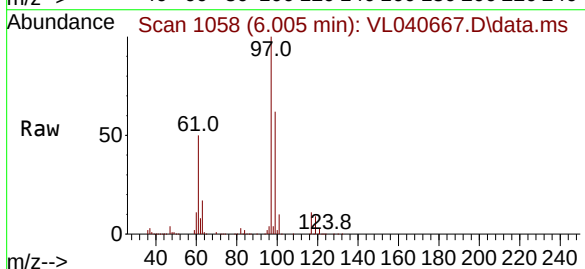
Manual Integrations
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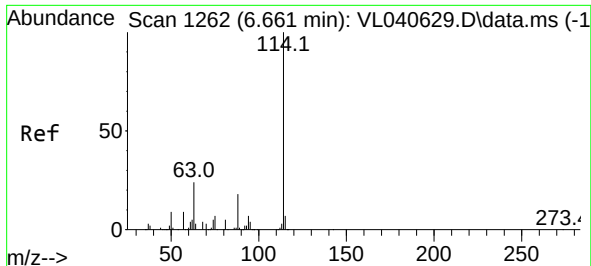
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#32
 1,1,1-Trichloroethane
 Concen: 10.882 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.003 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Tgt Ion: 97 Resp: 1806389
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.2 76.8
 61 50.3 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 256437

Ion Ratio Lower Upper

114 100

63 26.8 20.2 30.2

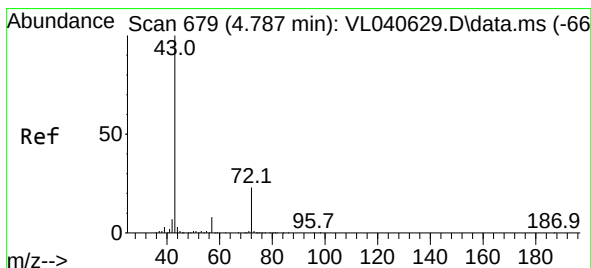
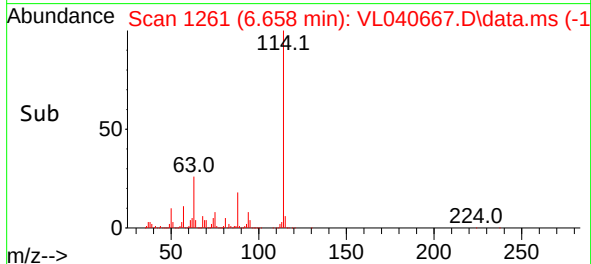
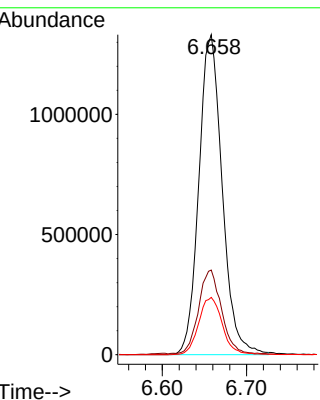
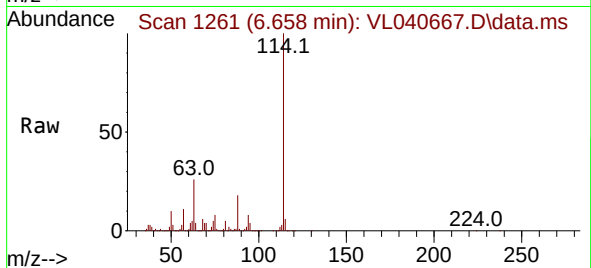
88 18.2 14.1 21.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#34

2-Butanone

Concen: 10.176 ppbv

RT: 4.784 min Scan# 678

Delta R.T. -0.003 min

Lab File: VL040667.D

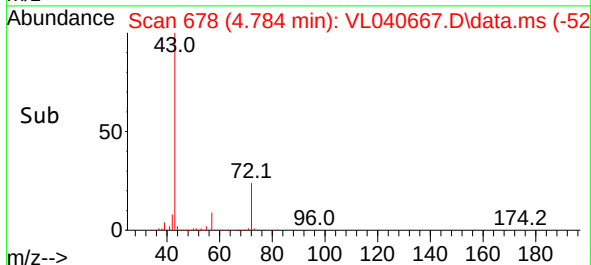
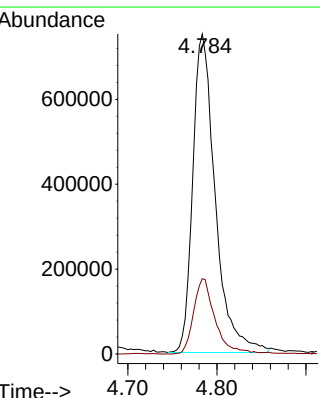
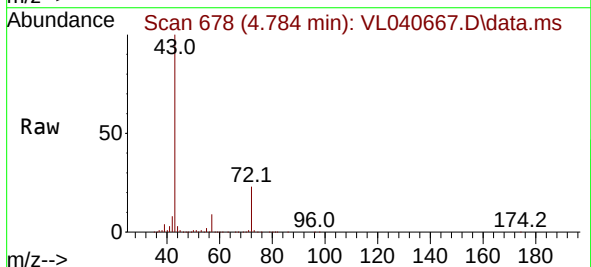
Acq: 7 Sep 2023 10:37

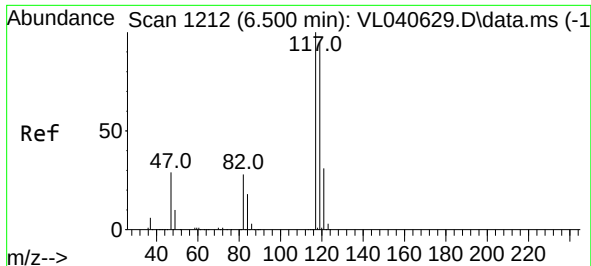
Tgt Ion: 43 Resp: 1315909

Ion Ratio Lower Upper

43 100

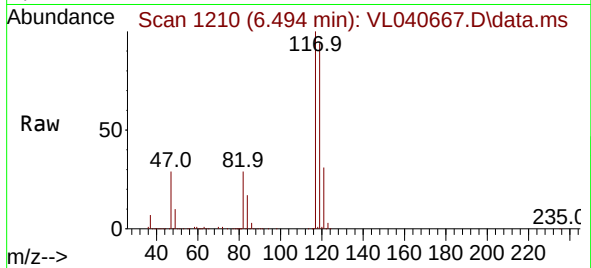
72 23.1 19.2 28.8





#35
Carbon Tetrachloride
Concen: 12.000 ppbv
RT: 6.494 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

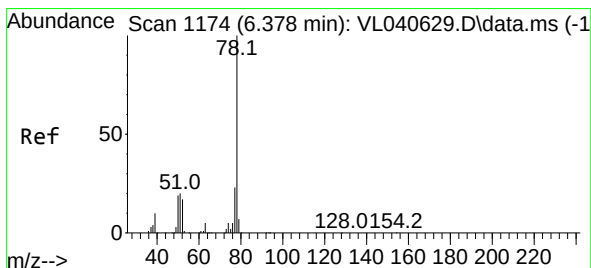
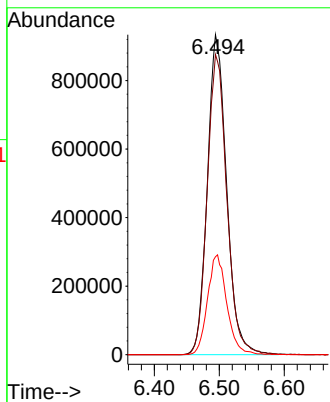
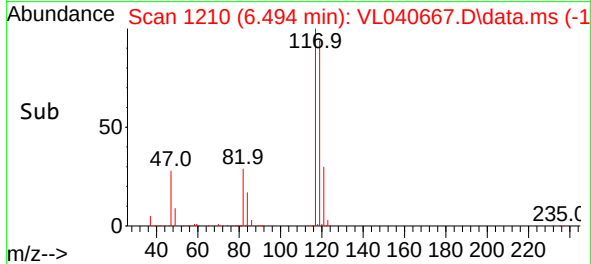
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 1925560
Ion Ratio Lower Upper
117 100
119 93.8 75.6 113.4
121 30.6 24.9 37.3

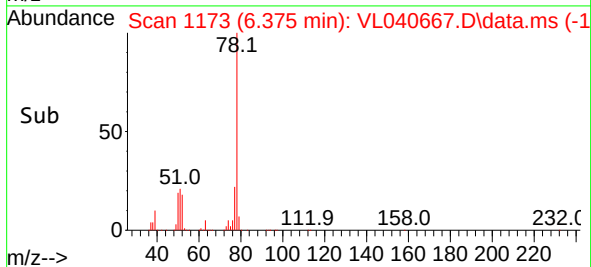
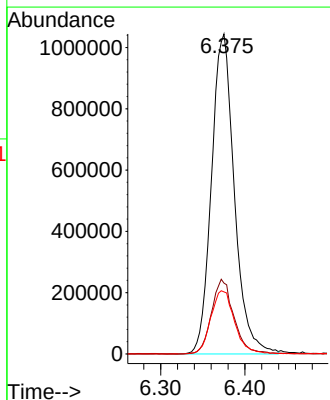
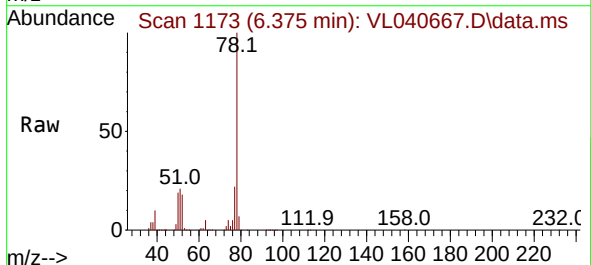
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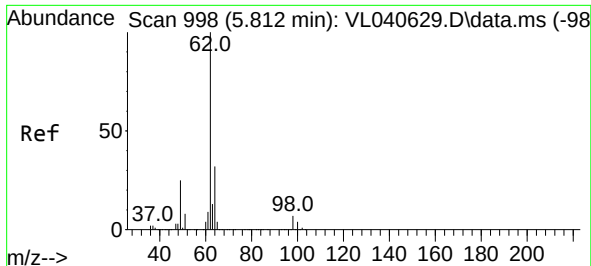
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#36
Benzene
Concen: 9.653 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

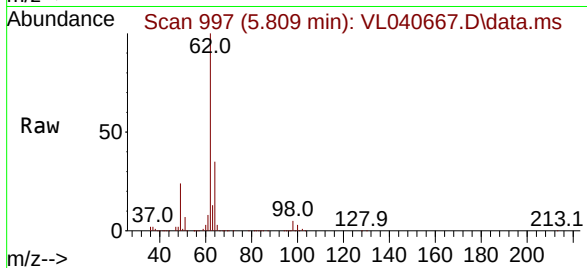
Tgt Ion: 78 Resp: 1969404
Ion Ratio Lower Upper
78 100
77 22.1 18.2 27.2
50 19.4 15.0 22.6





#37
1,2-Dichloroethane
Concen: 11.031 ppbv
RT: 5.809 min Scan# 998
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

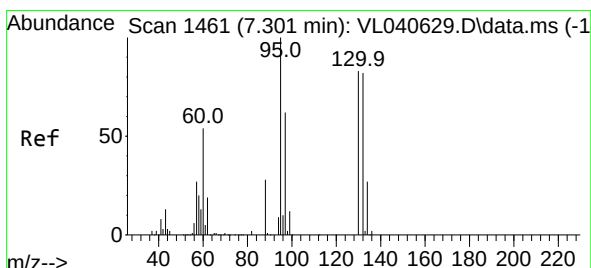
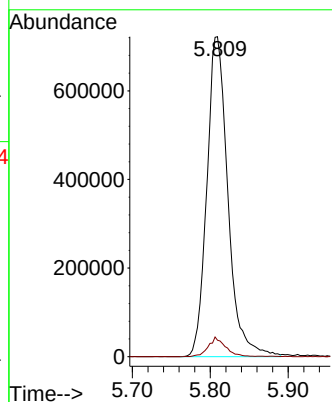
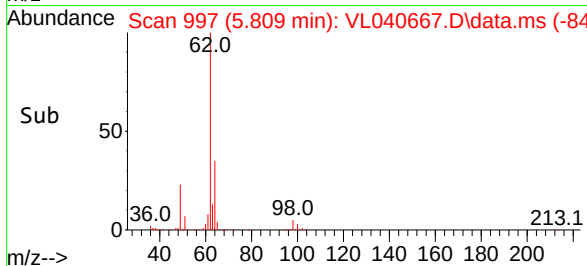
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 1357230
Ion Ratio Lower Upper
62 100
98 5.2 4.9 7.3

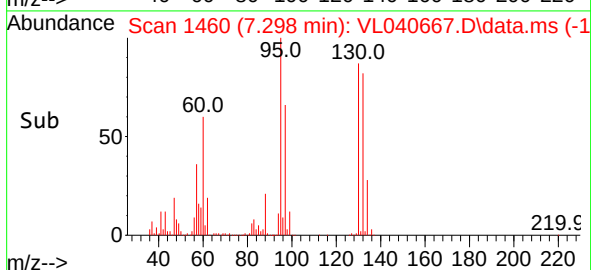
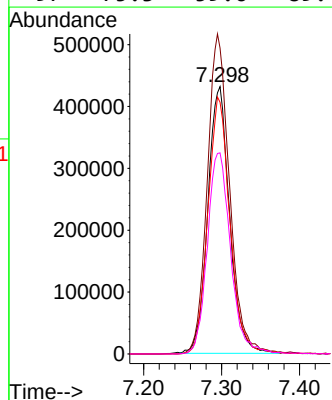
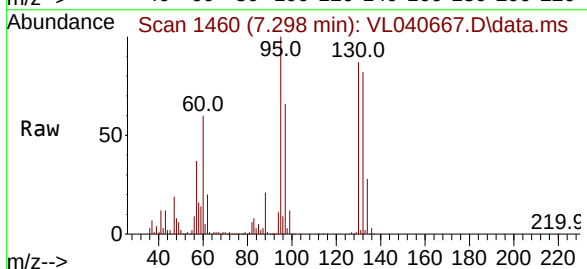
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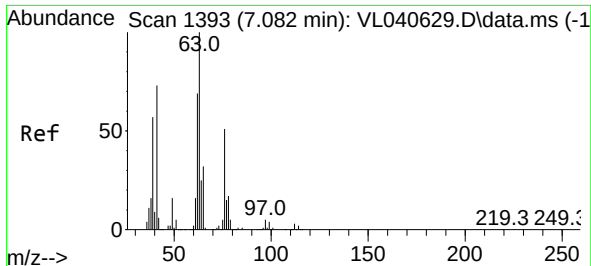
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#38
Trichloroethene
Concen: 10.604 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion:130 Resp: 837678
Ion Ratio Lower Upper
130 100
95 114.6 95.9 143.9
132 94.3 79.0 118.4
97 75.3 59.6 89.4





#39

1,2-Dichloropropane

Concen: 9.717 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 754144

Ion Ratio Lower Upper

63 100

41 79.9 58.2 87.2

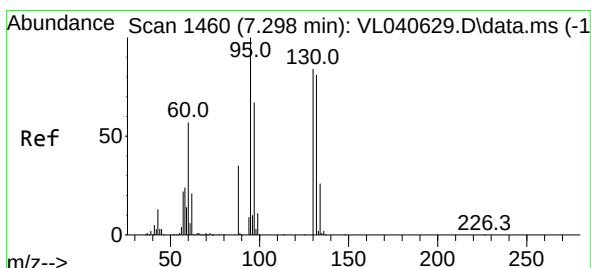
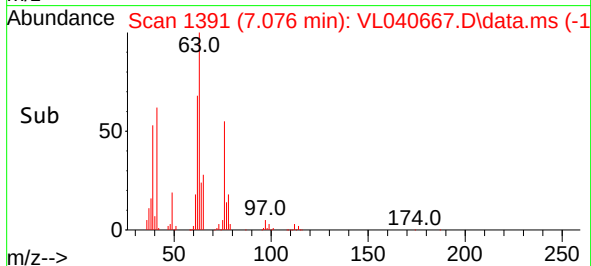
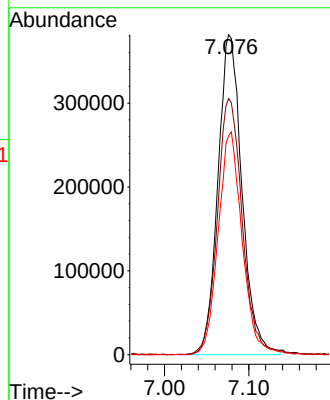
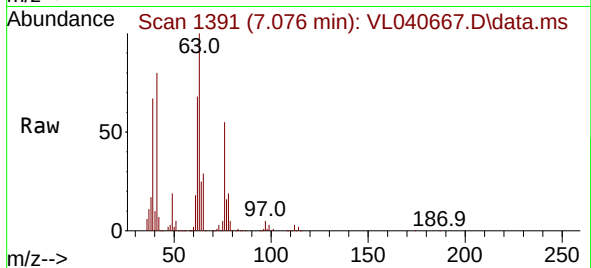
62 68.3 55.0 82.4

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Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#40

1,4-Dioxane

Concen: 8.194 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. -0.010 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Tgt Ion: 88 Resp: 240931

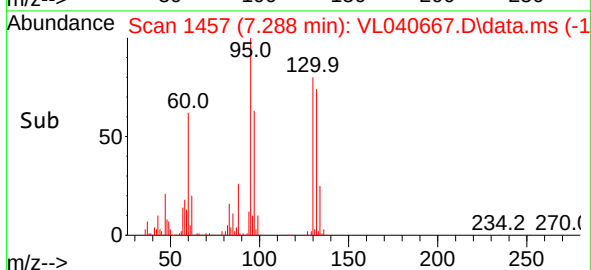
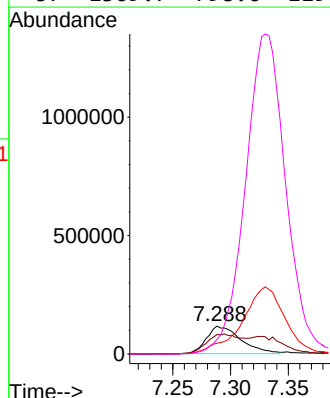
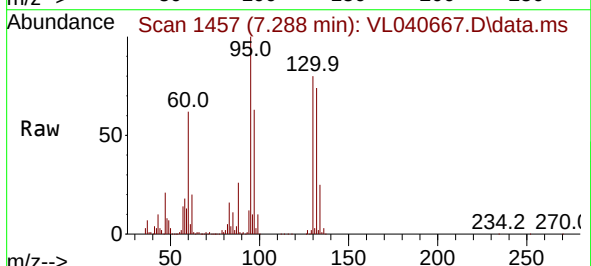
Ion Ratio Lower Upper

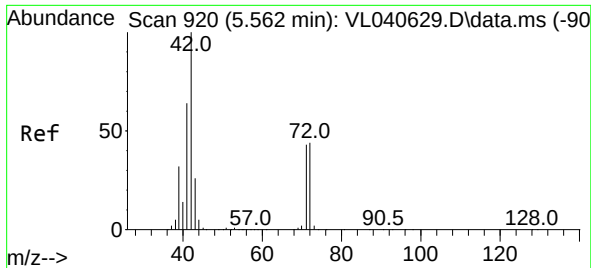
88 100

58 138.0 92.8 139.2

43 310.6 179.1 268.7#

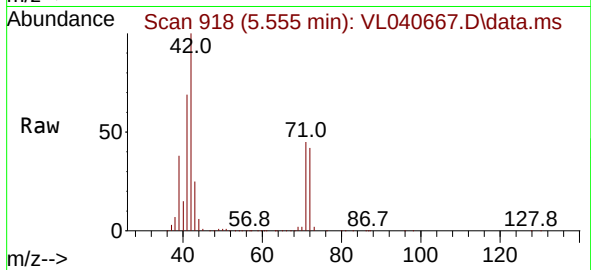
57 1369.7 798.6 1198.0#





#41
Tetrahydrofuran
Concen: 9.500 ppbv
RT: 5.555 min Scan# 918
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

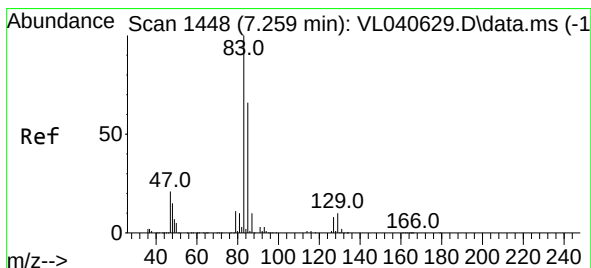
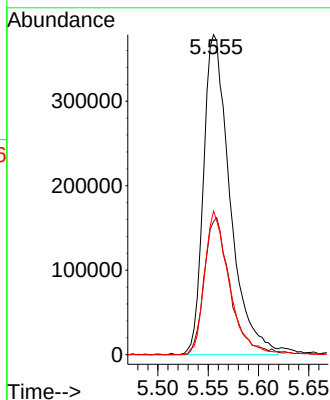
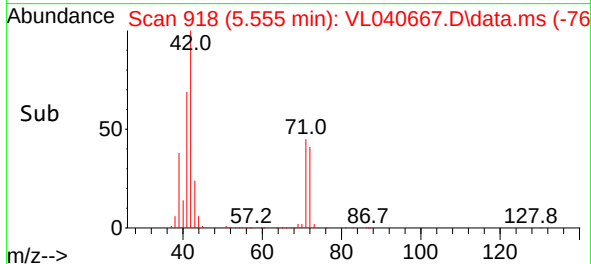
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



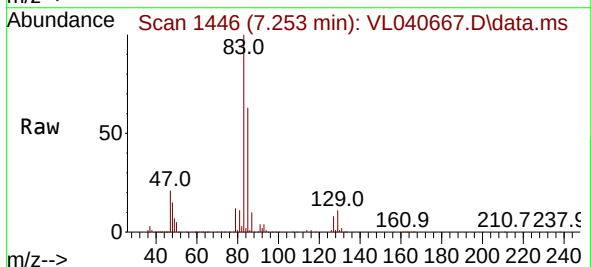
Tgt Ion: 42 Resp: 69437
Ion Ratio Lower Upper
42 100
72 42.4 34.2 51.4
71 42.4 33.4 50.0

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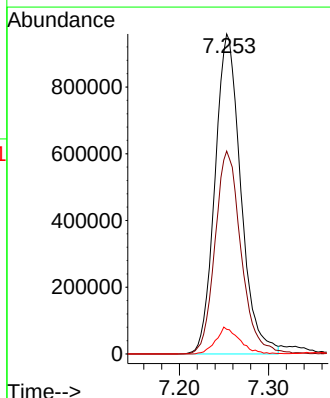
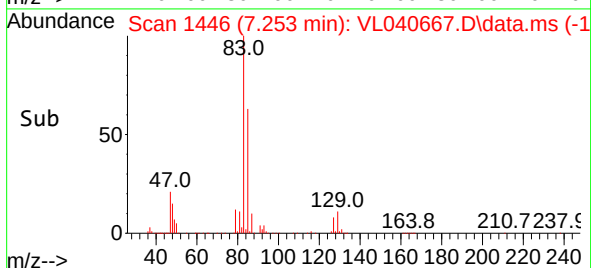
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

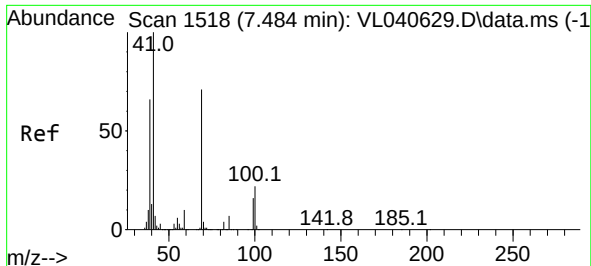


#42
Bromodichloromethane
Concen: 11.283 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



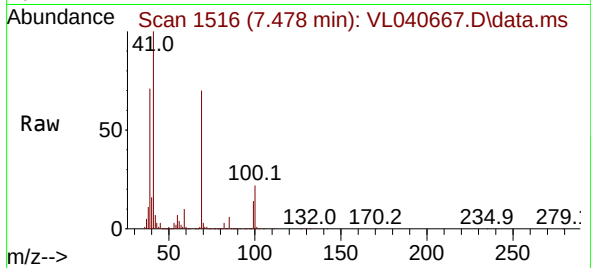
Tgt Ion: 83 Resp: 1932251
Ion Ratio Lower Upper
83 100
85 63.4 52.5 78.7
127 7.7 6.1 9.1





#43
Methyl Methacrylate
Concen: 10.832 ppbv
RT: 7.478 min Scan# 1518
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

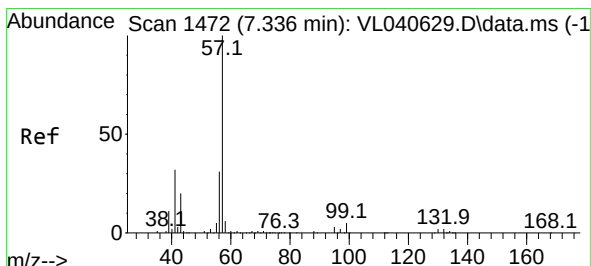
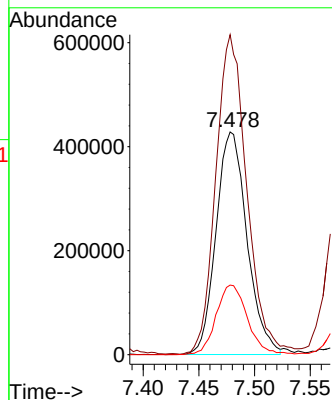
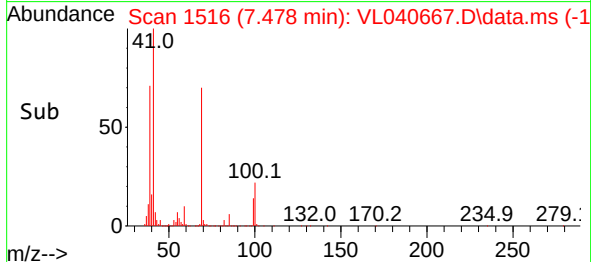
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



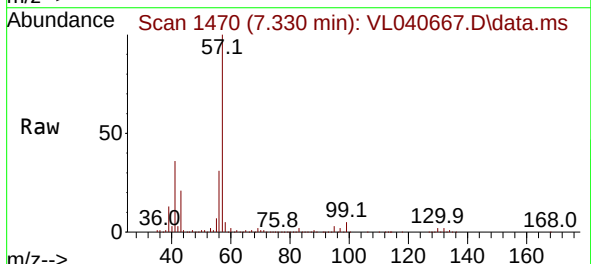
Tgt Ion: 69 Resp: 82745
Ion Ratio Lower Upper
69 100
41 144.0 111.8 167.8
100 31.7 25.8 38.6

Manual Integrations
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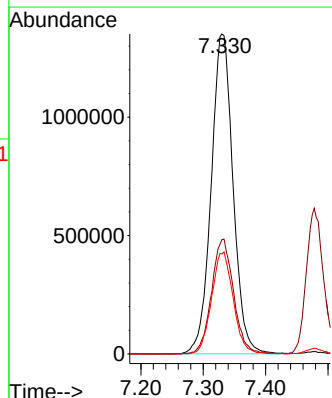
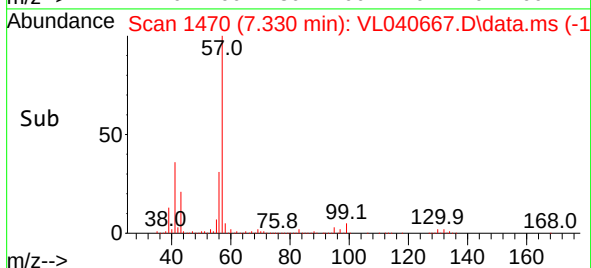
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

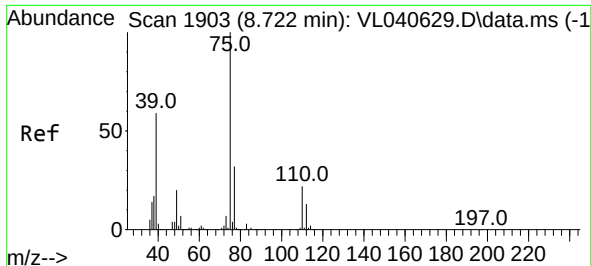


#44
2,2,4-Trimethylpentane
Concen: 9.971 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



Tgt Ion: 57 Resp: 3288061
Ion Ratio Lower Upper
57 100
41 36.3 26.2 39.4
56 31.6 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 12.580 ppbv

RT: 8.716 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 767410

Ion Ratio Lower Upper

75 100

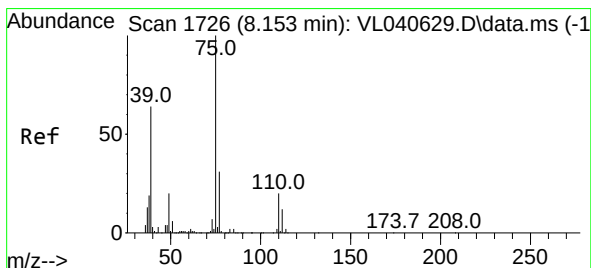
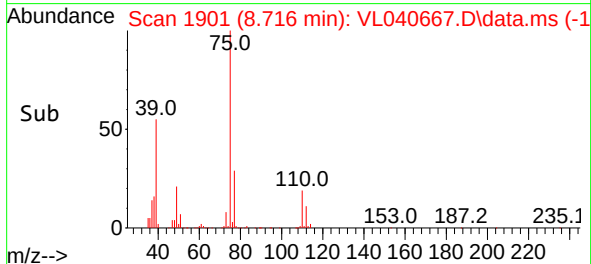
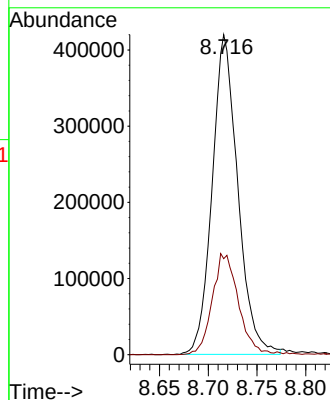
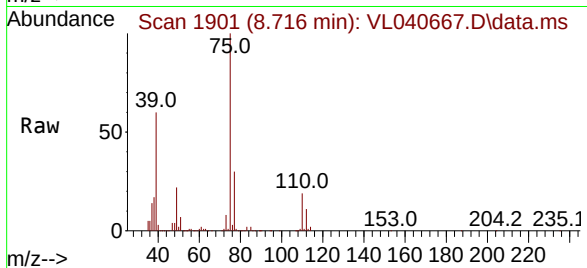
77 30.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#46

cis-1,3-Dichloropropene

Concen: 12.315 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

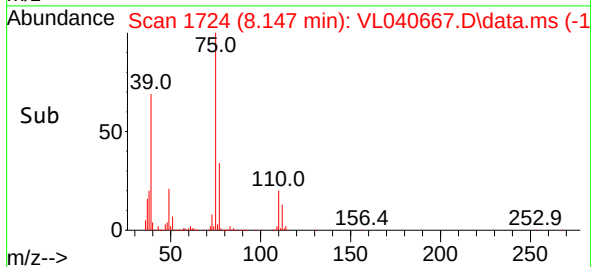
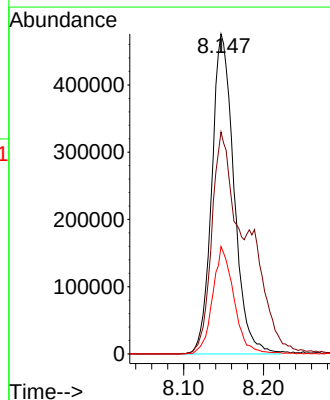
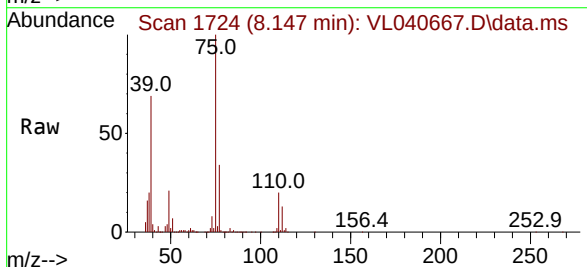
Tgt Ion: 75 Resp: 916440

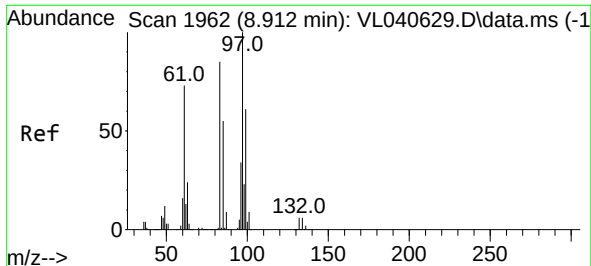
Ion Ratio Lower Upper

75 100

39 69.3 51.0 76.4

77 33.5 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 10.181 ppbv

RT: 8.906 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VL040667.D

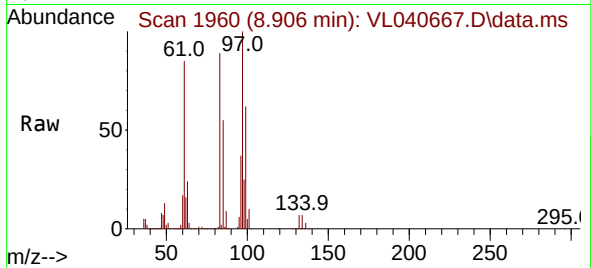
Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 892600

Ion Ratio Lower Upper

97 100

83 88.8 67.8 101.8

85 55.2 44.0 66.0

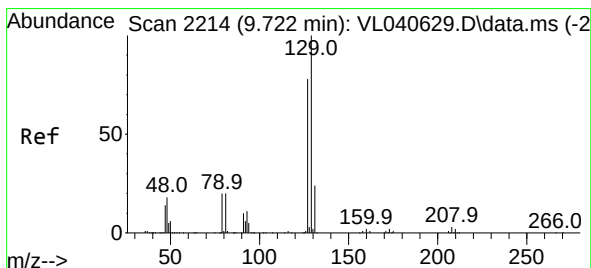
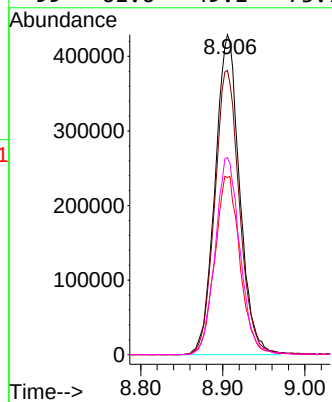
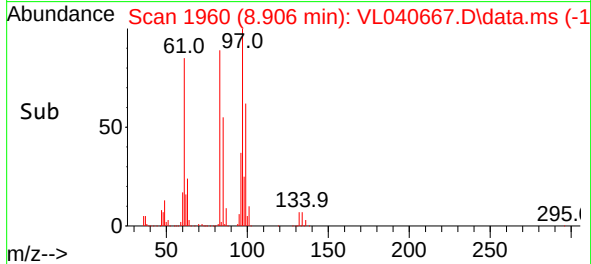
99 61.6 49.1 73.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#48

Dibromochloromethane

Concen: 11.964 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. -0.003 min

Lab File: VL040667.D

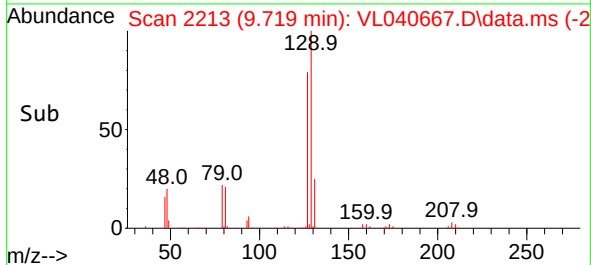
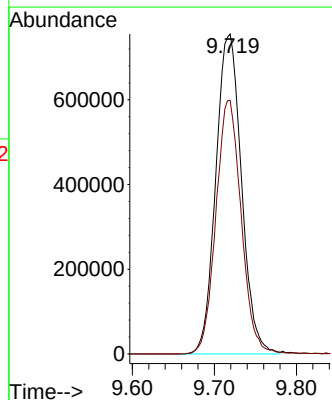
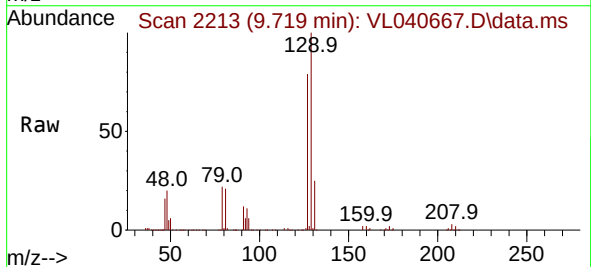
Acq: 7 Sep 2023 10:37

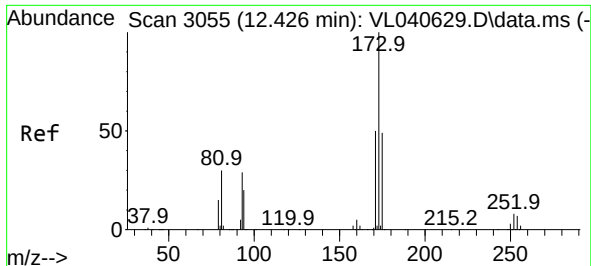
Tgt Ion:129 Resp: 1641597

Ion Ratio Lower Upper

129 100

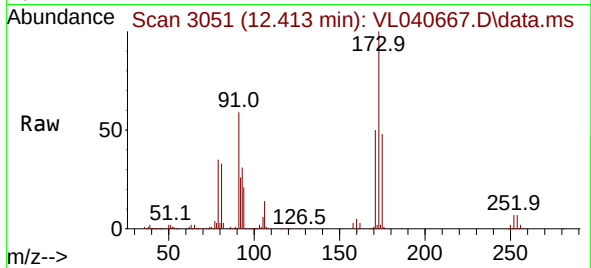
127 78.4 38.9 116.7





#49
Bromoform
Concen: 12.759 ppbv
RT: 12.413 min Scan# 3055
Delta R.T. -0.013 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

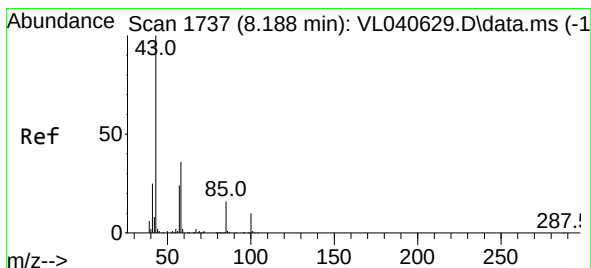
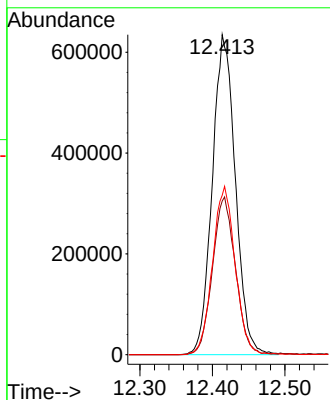
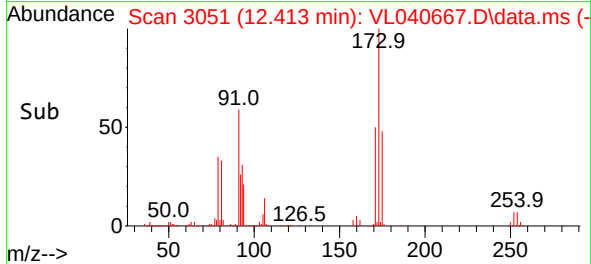
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



Tgt Ion:173 Resp: 1402644
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
171 51.8 41.9 62.9

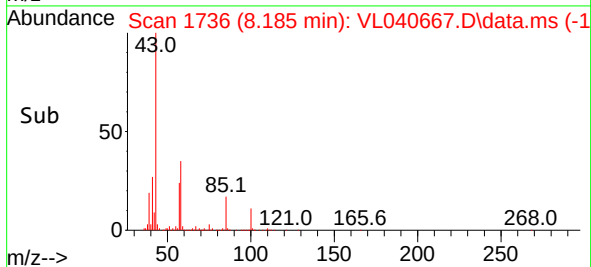
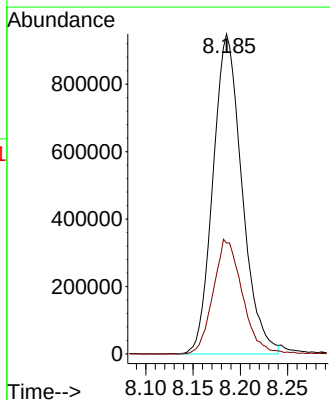
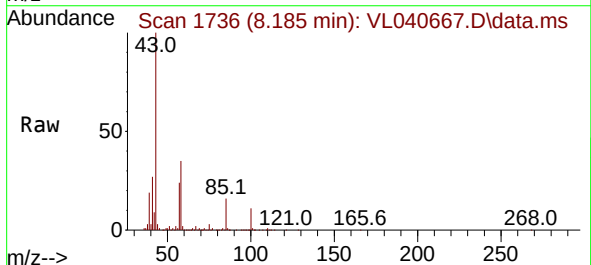
Manual Integrations
APPROVED

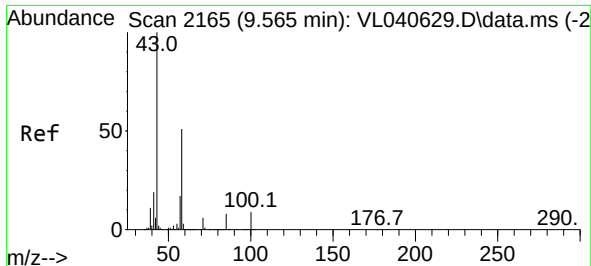
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#50
4-Methyl-2-Pentanone
Concen: 10.703 ppbv
RT: 8.185 min Scan# 1736
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

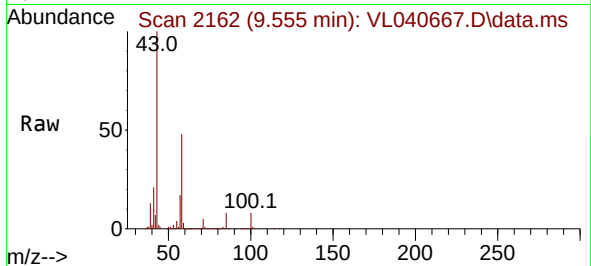
Tgt Ion: 43 Resp: 2021907
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8





#51
2-Hexanone
Concen: 11.466 ppbv
RT: 9.555 min Scan# 2165
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

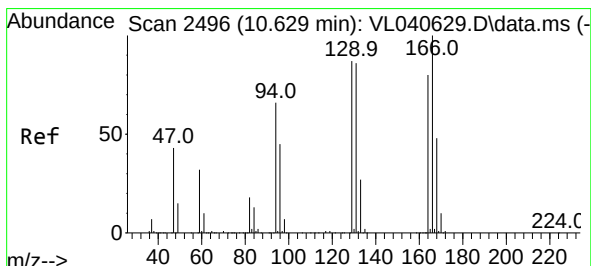
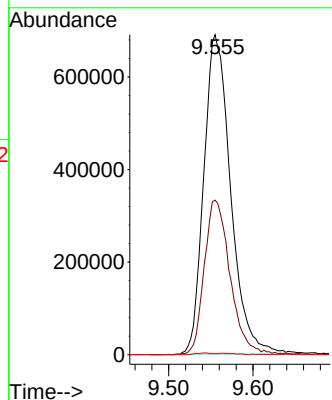
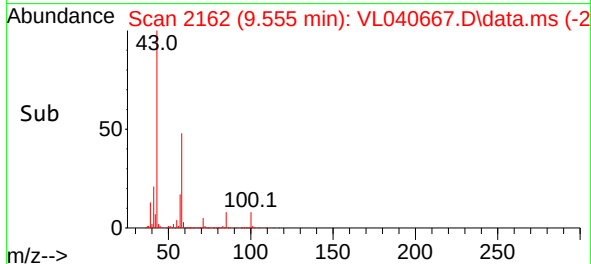
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



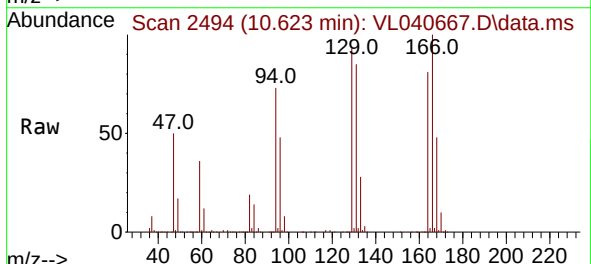
Tgt Ion: 43 Resp: 152632
Ion Ratio Lower Upper
43 100
58 47.0 39.4 59.2
98 0.6 0.4 0.6

Manual Integrations
APPROVED

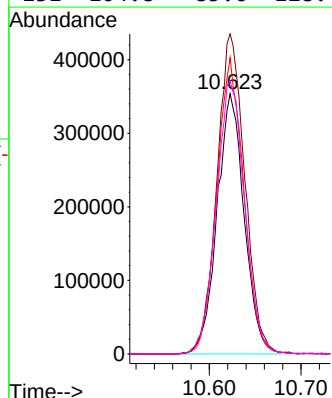
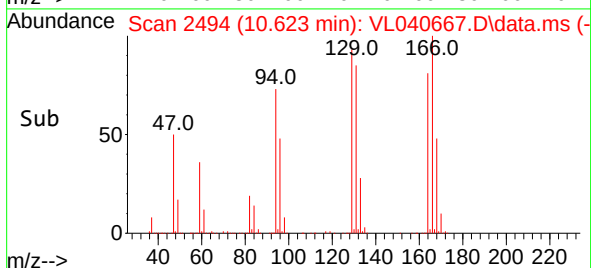
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

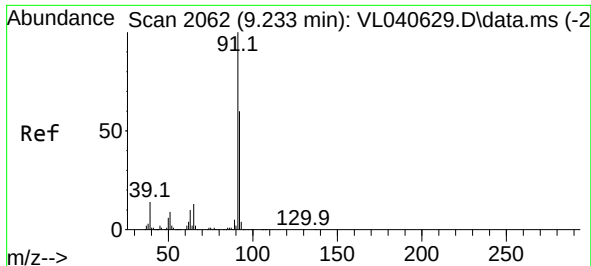


#52
Tetrachloroethene
Concen: 11.348 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



Tgt Ion:164 Resp: 725015
Ion Ratio Lower Upper
164 100
166 122.7 99.5 149.3
129 113.9 86.9 130.3
131 104.8 85.6 128.4





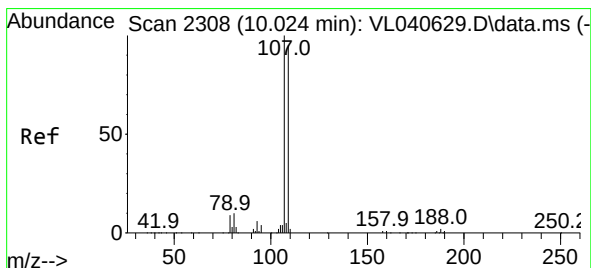
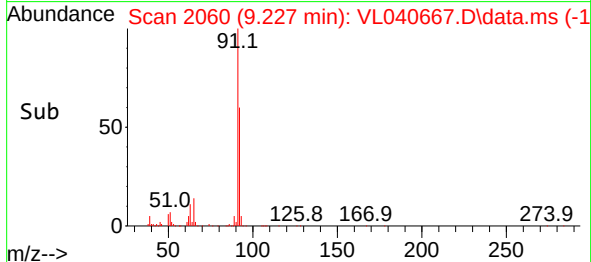
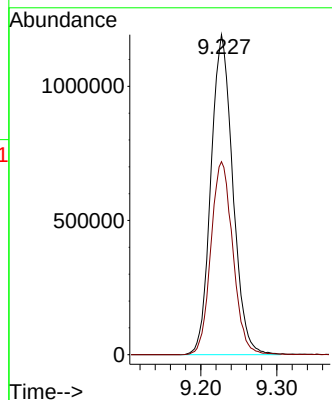
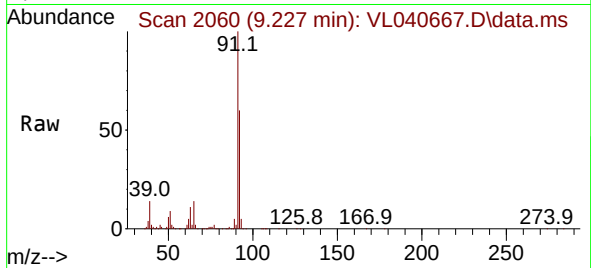
#53
Toluene
Concen: 10.995 ppbv
RT: 9.227 min Scan# 2062
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2383674
Ion Ratio Lower Upper
91 100
92 60.6 48.0 72.0

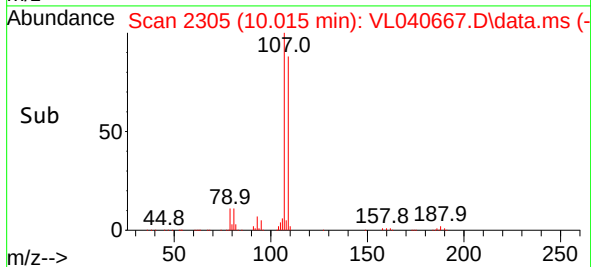
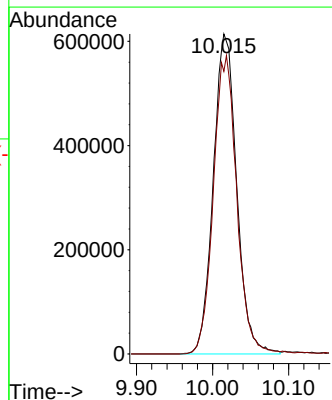
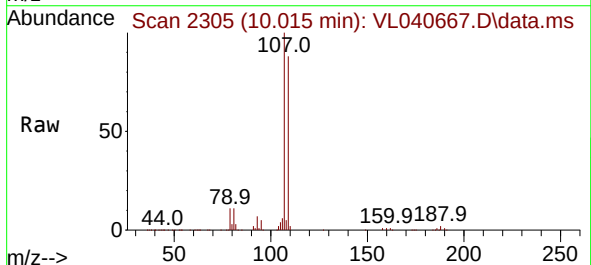
Manual Integrations
APPROVED

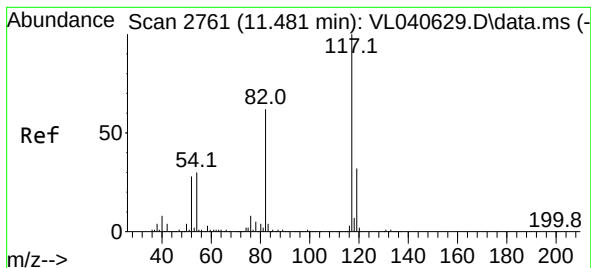
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#54
1,2-Dibromoethane
Concen: 11.766 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

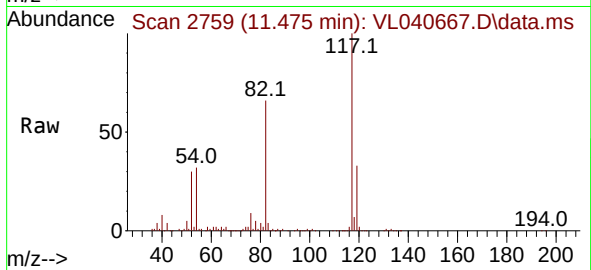
Tgt Ion:107 Resp: 1313454
Ion Ratio Lower Upper
107 100
109 88.3 75.7 113.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

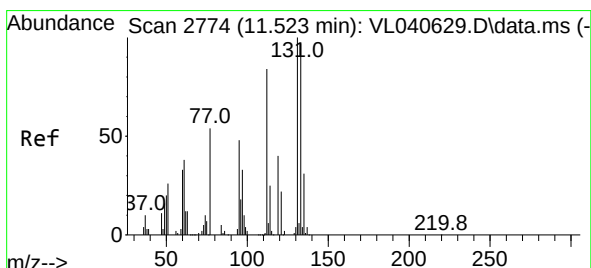
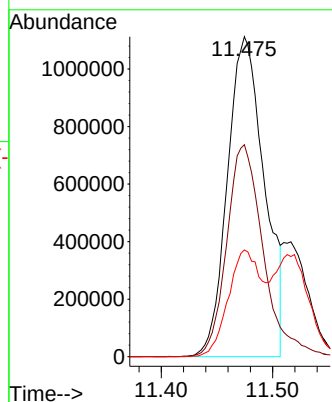
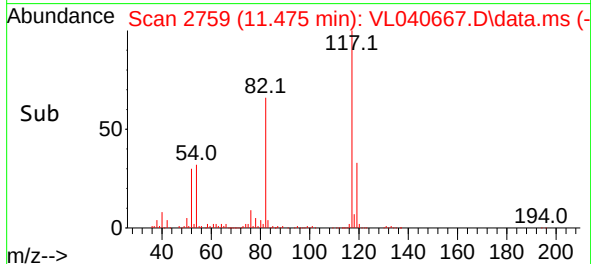
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:117 Resp: 256828
Ion Ratio Lower Upper
117 100
82 66.0 49.5 74.3
119 31.5 24.5 36.7

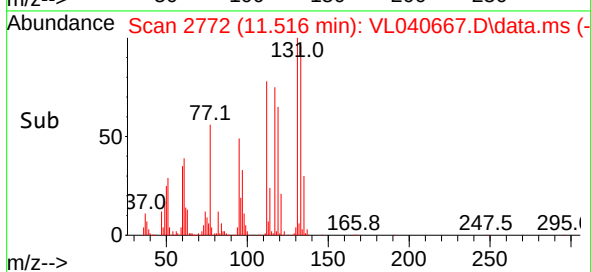
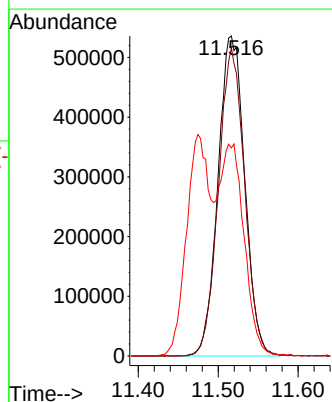
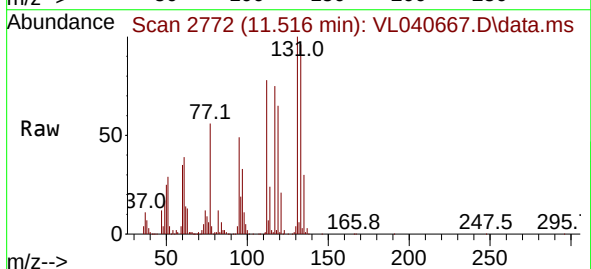
Manual Integrations
APPROVED

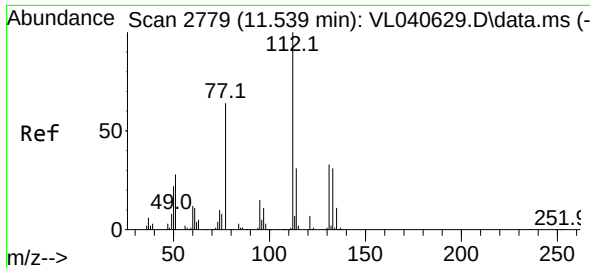
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 10.446 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

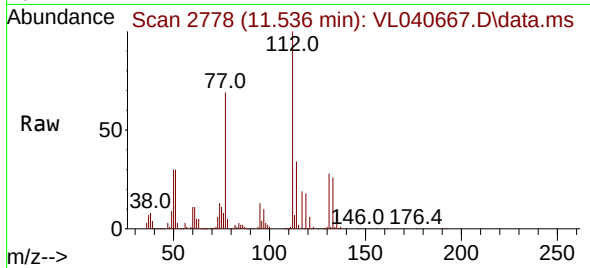
Tgt Ion:131 Resp: 1241239
Ion Ratio Lower Upper
131 100
133 94.1 75.4 113.0
119 68.2 51.0 76.6





#57
Chlorobenzene
Concen: 9.988 ppbv
RT: 11.536 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

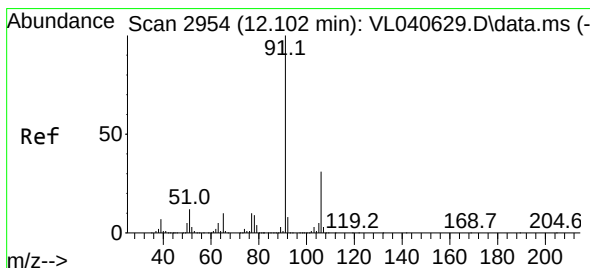
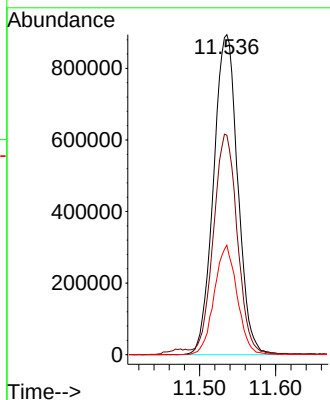
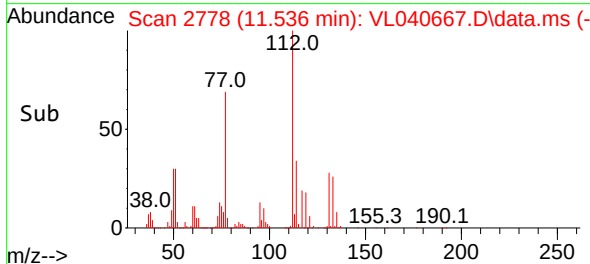
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



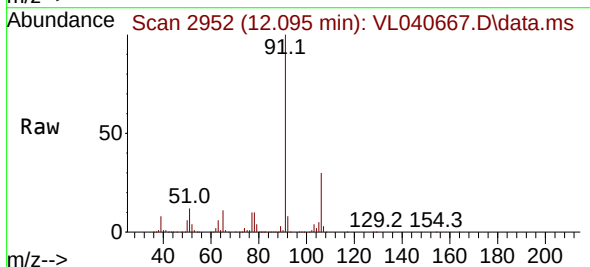
Tgt Ion:112 Resp: 1979792
Ion Ratio Lower Upper
112 100
77 68.3 52.5 78.7
114 34.2 27.8 34.0

Manual Integrations
APPROVED

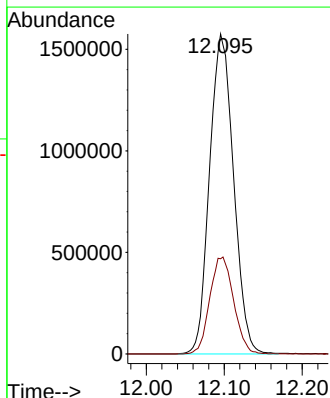
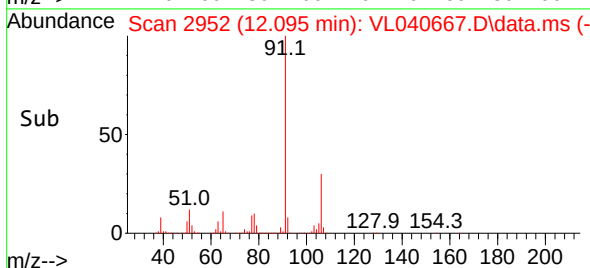
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

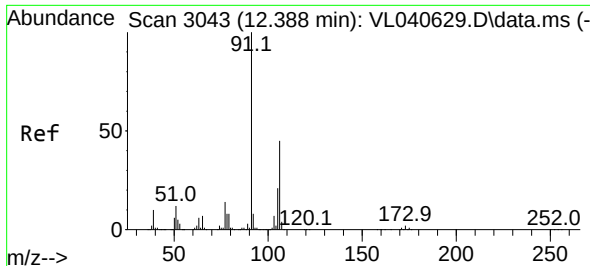


#58
Ethyl Benzene
Concen: 10.907 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



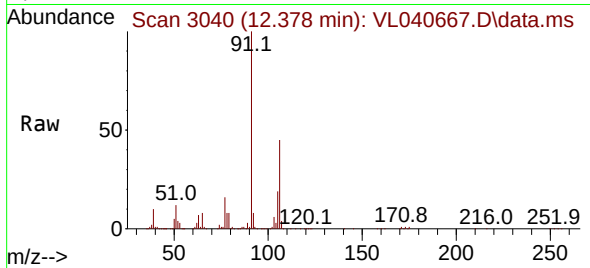
Tgt Ion: 91 Resp: 3377749
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8





#59
m/p-Xylene
Concen: 21.472 ppbv m
RT: 12.378 min Scan# 3043
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

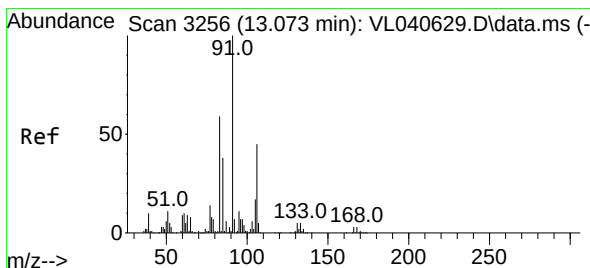
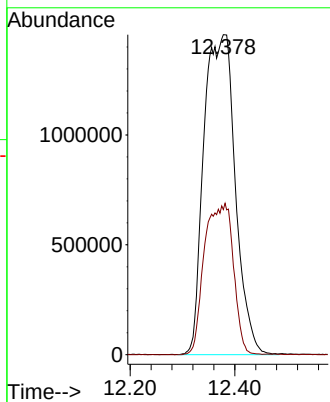
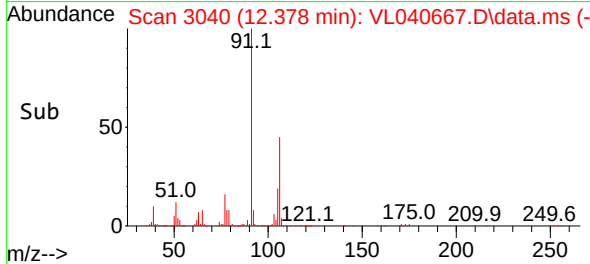
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 91 Resp: 606592
Ion Ratio Lower Upper
91 100
106 43.5 35.3 52.9

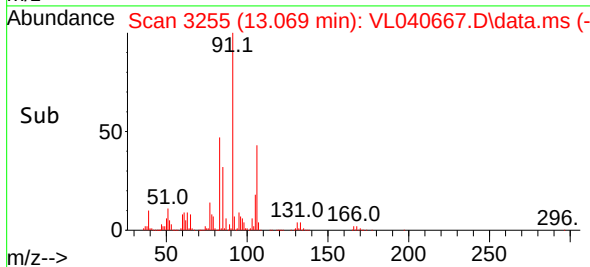
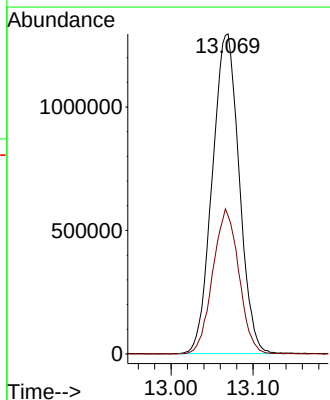
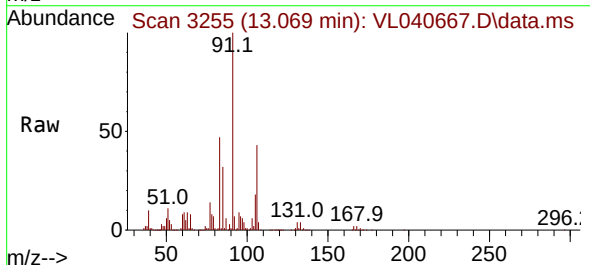
Manual Integrations
APPROVED

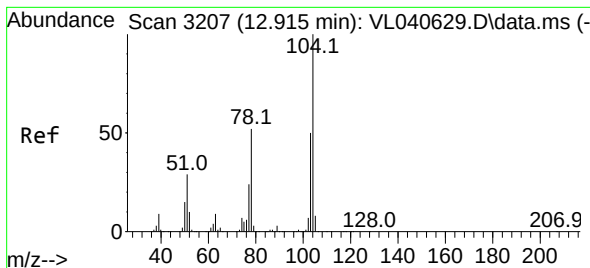
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#60
o-Xylene
Concen: 11.028 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 91 Resp: 2952853
Ion Ratio Lower Upper
91 100
106 44.2 22.5 67.5





#61

Styrene

Concen: 12.066 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 141571

Ion Ratio Lower Upper

104 100

78 53.9 41.0 61.4

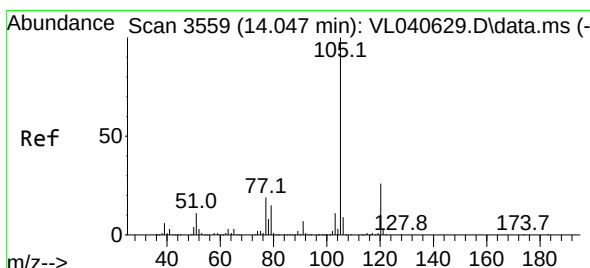
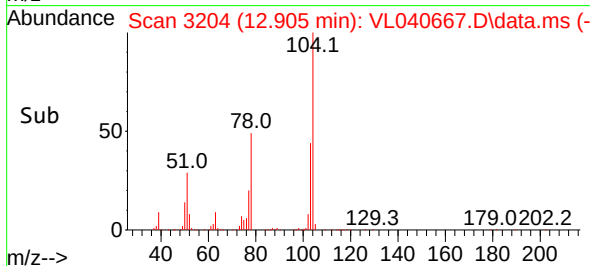
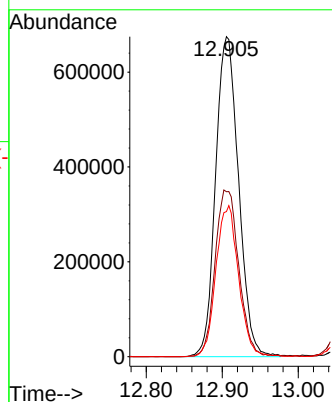
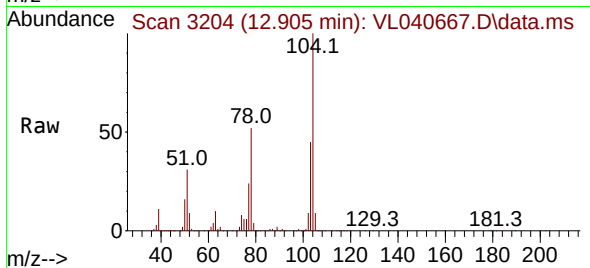
103 46.8 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#62

Isopropylbenzene

Concen: 10.558 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.010 min

Lab File: VL040667.D

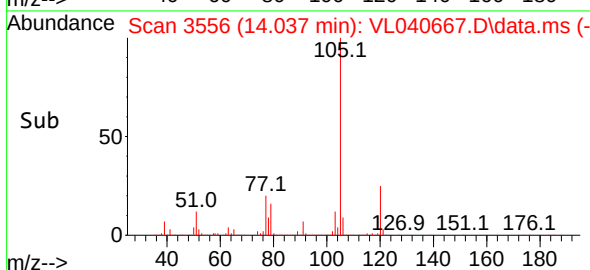
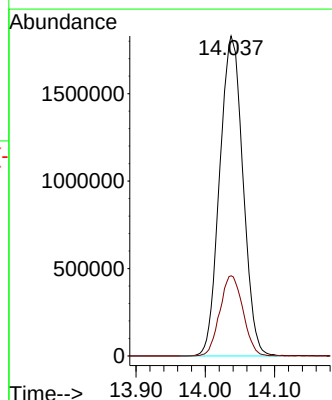
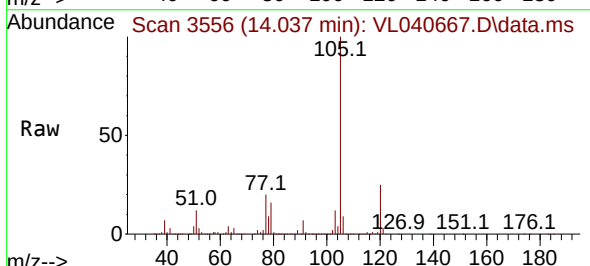
Acq: 7 Sep 2023 10:37

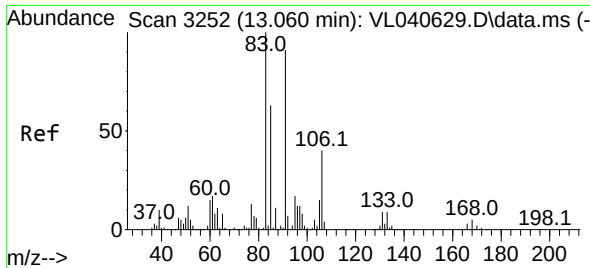
Tgt Ion:105 Resp: 4278574

Ion Ratio Lower Upper

105 100

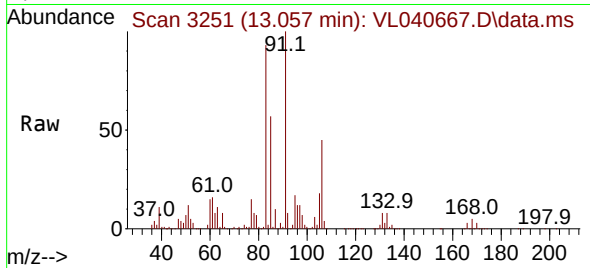
120 24.9 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 10.606 ppbv
RT: 13.057 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

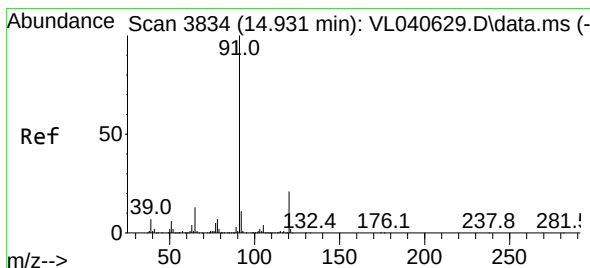
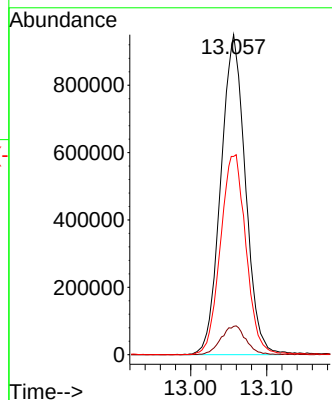
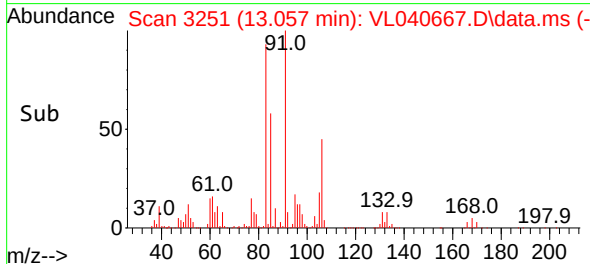
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



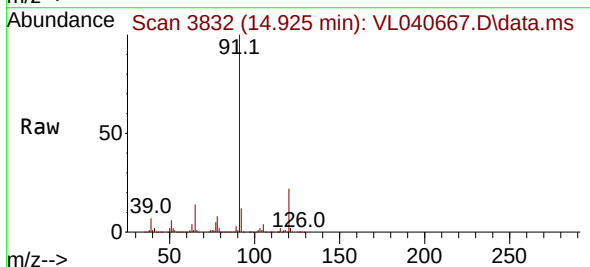
Tgt Ion: 83 Resp: 2126884
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 65.4 32.4 97.2

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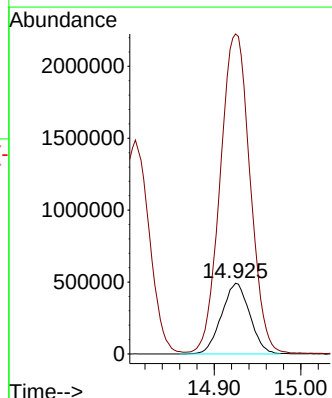
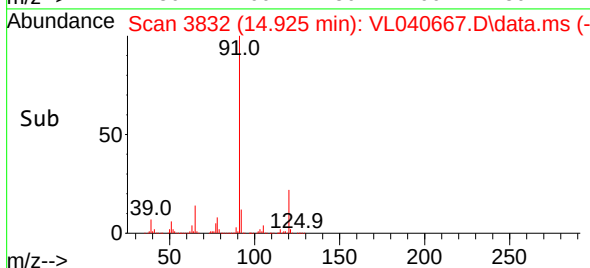
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

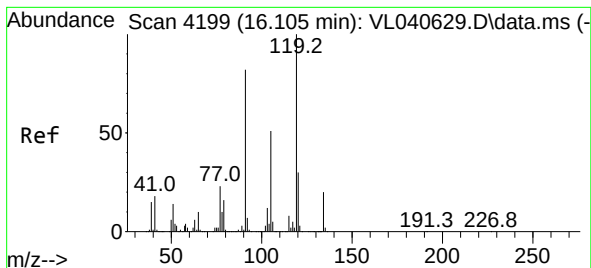


#64
n-propylbenzene
Concen: 10.847 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



Tgt Ion:120 Resp: 1110948
Ion Ratio Lower Upper
120 100
91 482.4 387.8 581.8





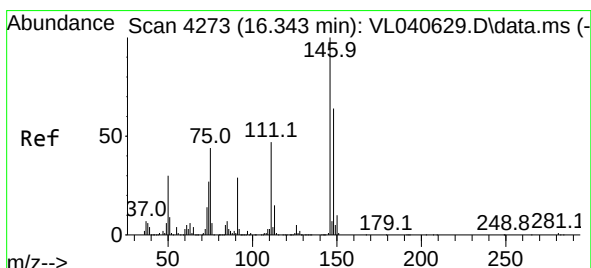
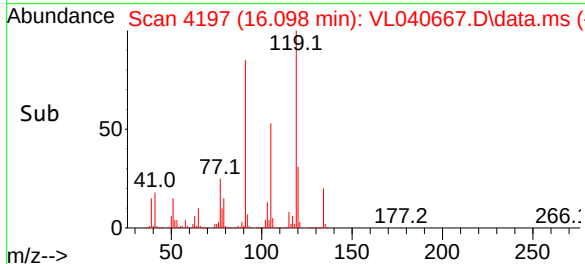
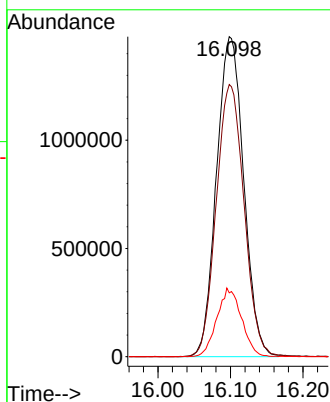
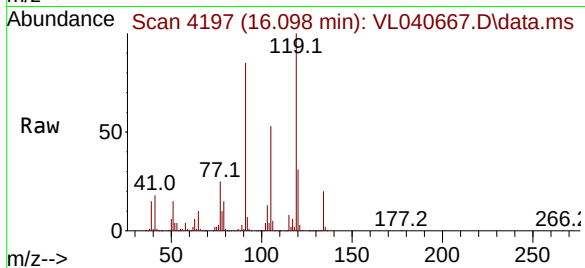
#65
tert-Butylbenzene
Concen: 10.977 ppbv
RT: 16.098 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3855514
Ion Ratio Lower Upper
119 100
91 87.2 67.8 101.6
134 19.5 15.7 23.5

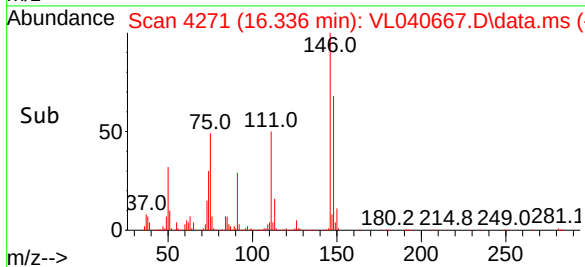
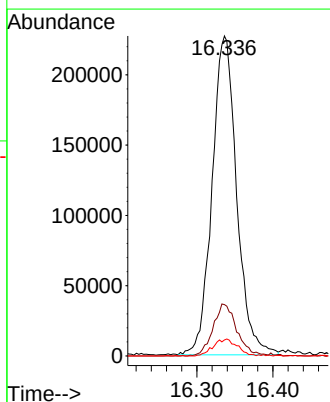
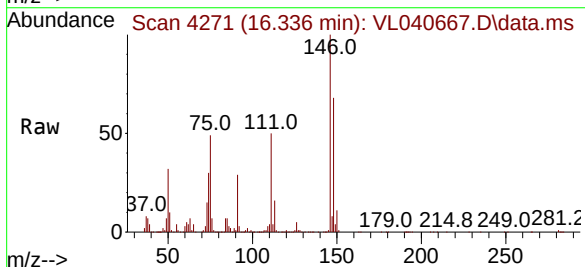
Manual Integrations
APPROVED

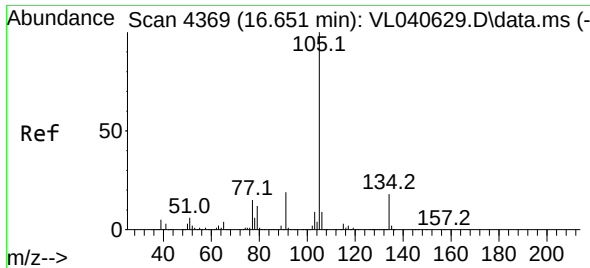
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#66
Benzyl Chloride
Concen: 11.546 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 91 Resp: 509933
Ion Ratio Lower Upper
91 100
126 16.0 13.6 20.4
128 5.4 4.3 6.5





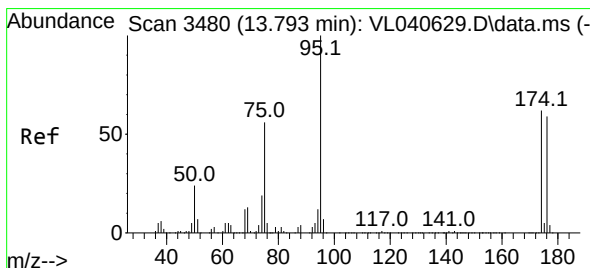
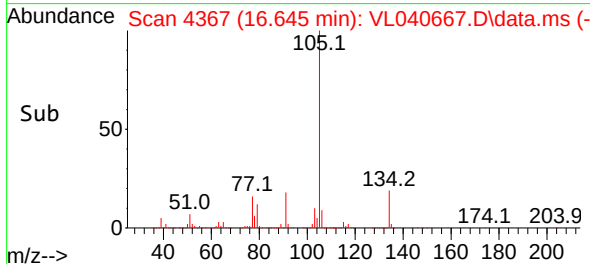
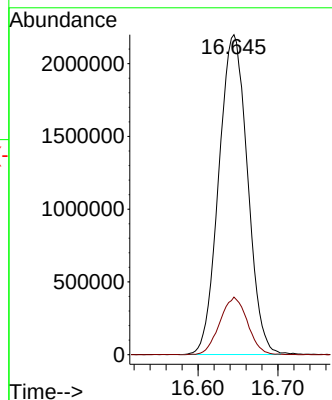
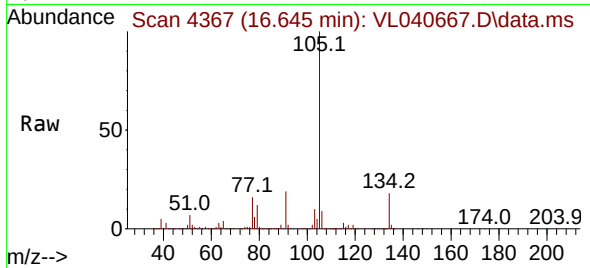
#67
 sec-Butylbenzene
 Concen: 10.685 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 5475518
 Ion Ratio Lower Upper
 105 100
 134 17.4 13.8 20.8

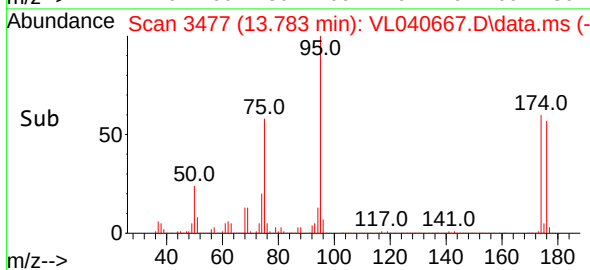
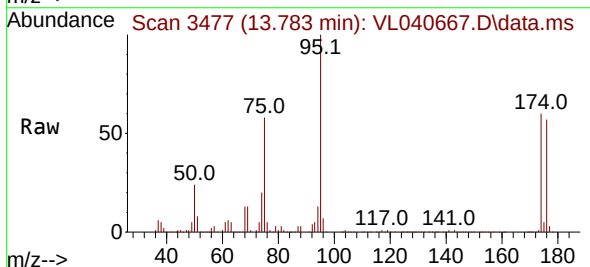
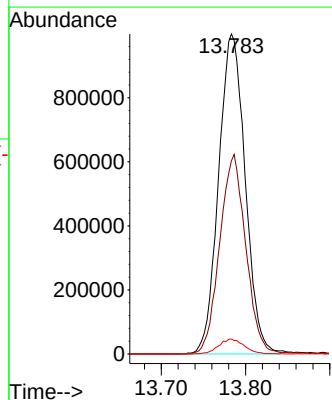
Manual Integrations
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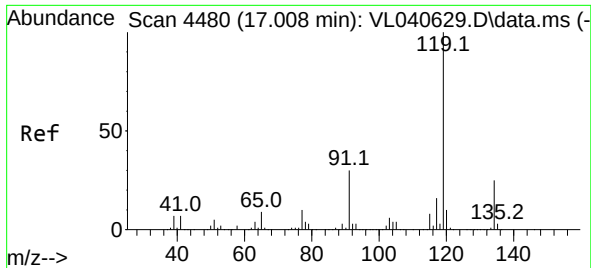
Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.694 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. -0.010 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Tgt Ion: 95 Resp: 2184279
 Ion Ratio Lower Upper
 95 100
 174 61.5 49.1 73.7
 175 4.5 3.7 5.5





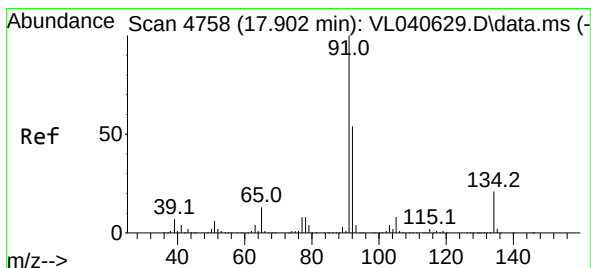
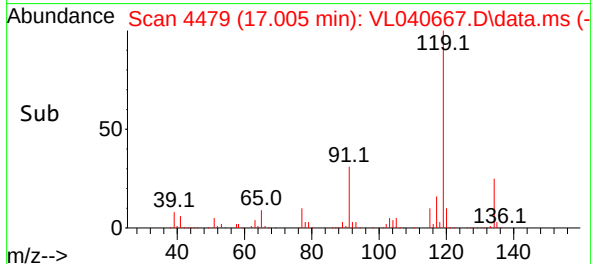
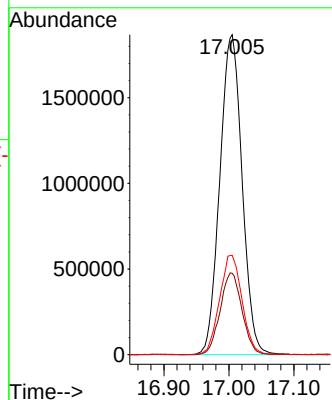
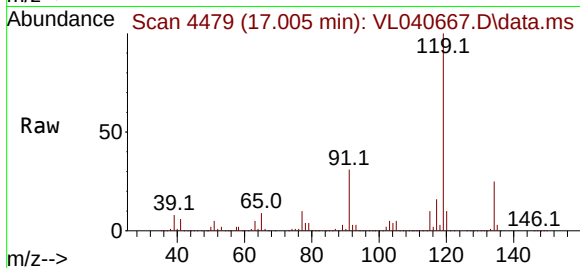
#69
p-Isopropyltoluene
Concen: 11.067 ppbv
RT: 17.005 min Scan# 4480
Delta R.T. -0.003 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4437405
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.4
91 31.4 24.2 36.4

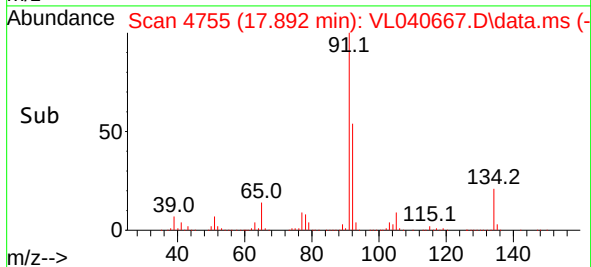
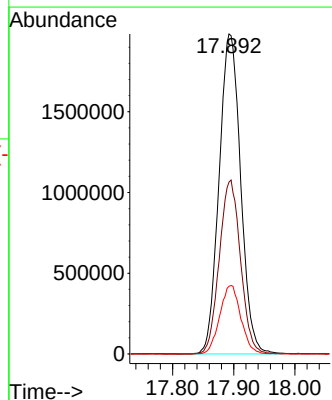
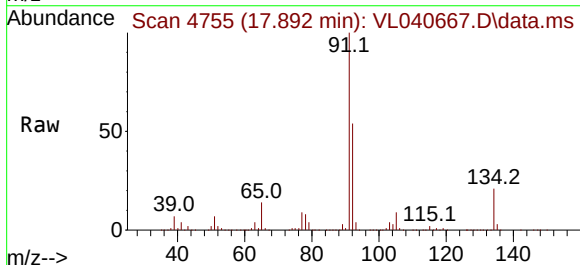
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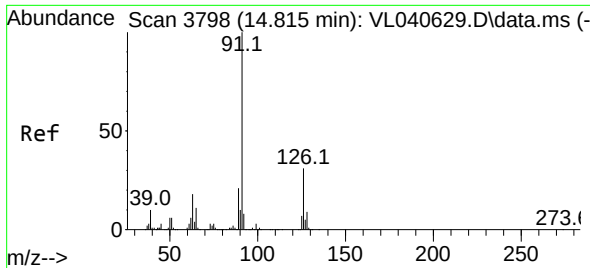
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#70
n-Butylbenzene
Concen: 11.085 ppbv
RT: 17.892 min Scan# 4755
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion: 91 Resp: 4852319
Ion Ratio Lower Upper
91 100
92 53.5 42.9 64.3
134 21.0 17.0 25.6





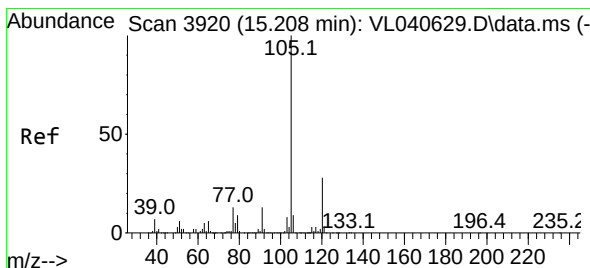
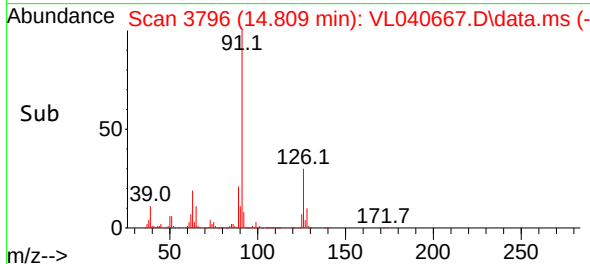
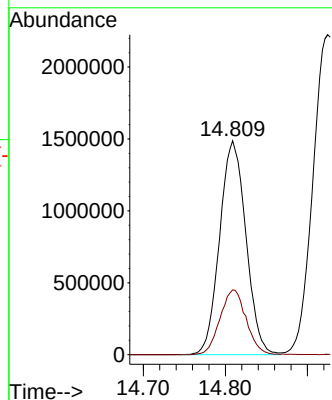
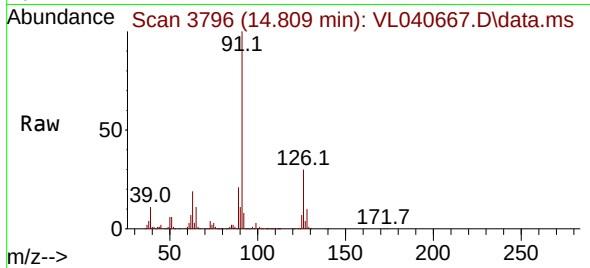
#71
2-Chlorotoluene
Concen: 11.025 ppbv
RT: 14.809 min Scan# 3796
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 331506
Ion Ratio Lower Upper
91 100
126 30.3 12.2 49.0

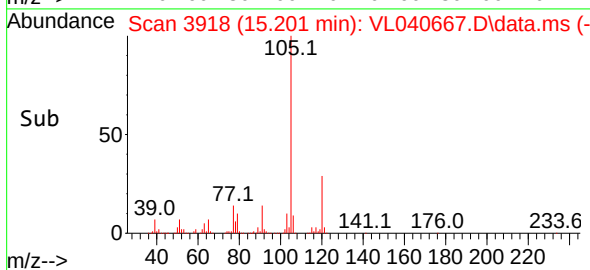
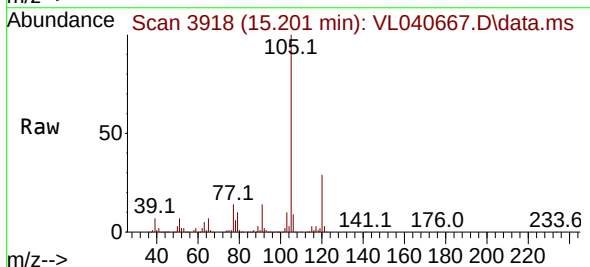
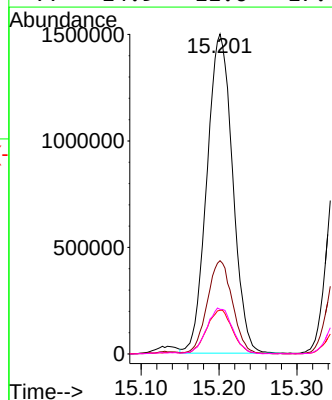
Manual Integrations
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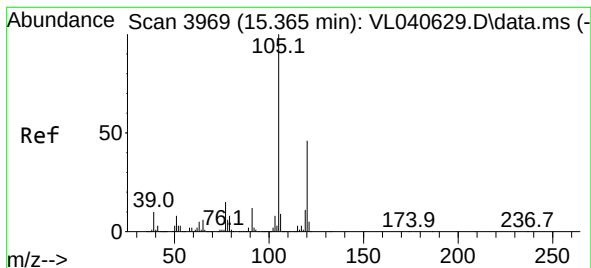
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#72
4-Ethyltoluene
Concen: 11.367 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

Tgt Ion:105 Resp: 3435939
Ion Ratio Lower Upper
105 100
120 29.5 23.0 34.6
91 14.6 10.9 16.3
77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 11.013 ppbv

RT: 15.359 min Scan# 3967

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 297577

Ion Ratio Lower Upper

105 100

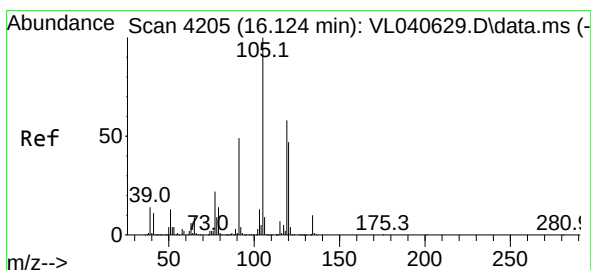
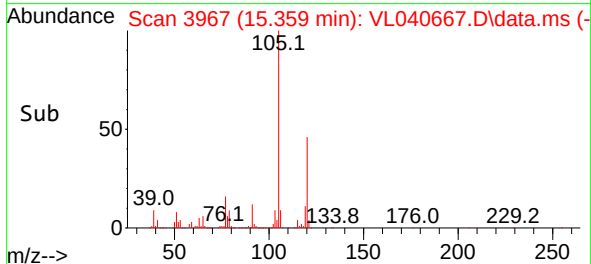
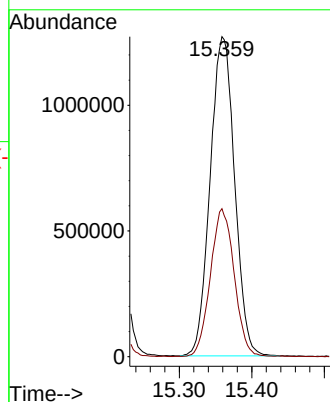
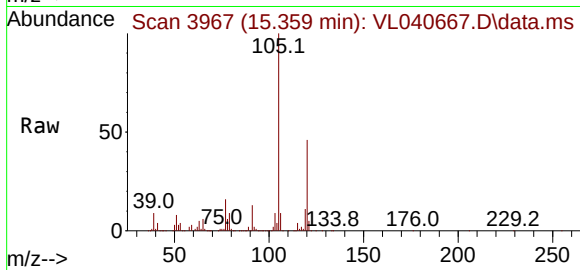
120 46.2 36.5 54.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/11/2023

Supervised By :Mahesh Dadoda 09/11/2023



#74

1,2,4-Trimethylbenzene

Concen: 10.863 ppbv

RT: 16.118 min Scan# 4203

Delta R.T. -0.006 min

Lab File: VL040667.D

Acq: 7 Sep 2023 10:37

Tgt Ion:105 Resp: 3427847

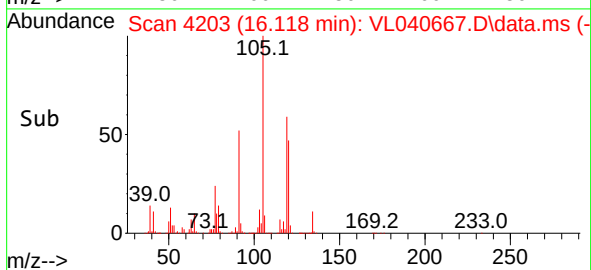
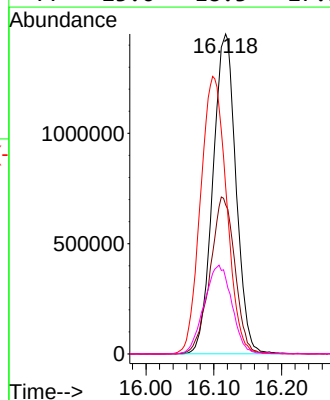
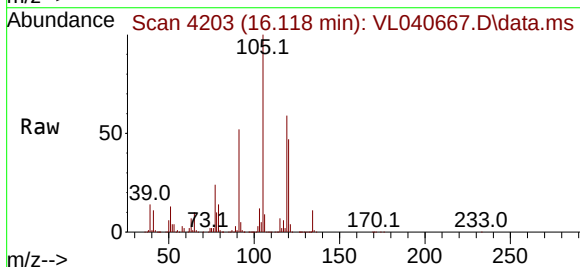
Ion Ratio Lower Upper

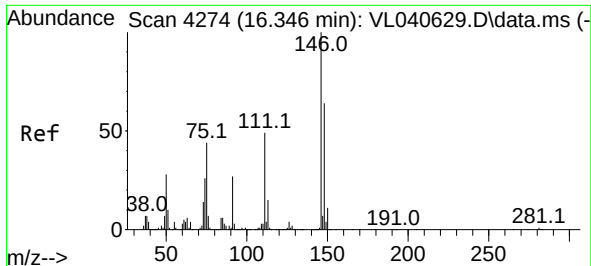
105 100

120 46.5 37.7 56.5

91 52.2 41.2 61.8

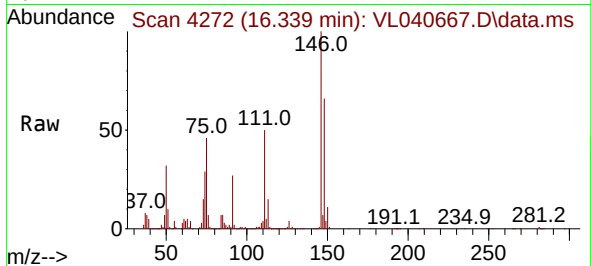
77 23.6 18.3 27.5





#75
1,3-Dichlorobenzene
Concen: 10.627 ppbv
RT: 16.339 min Scan# 4316
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

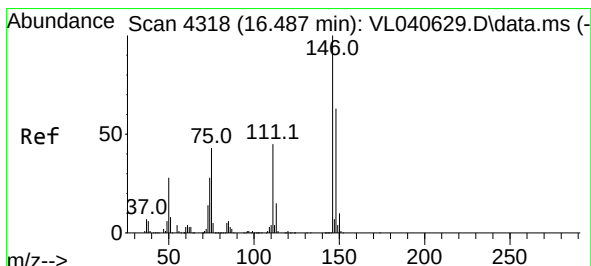
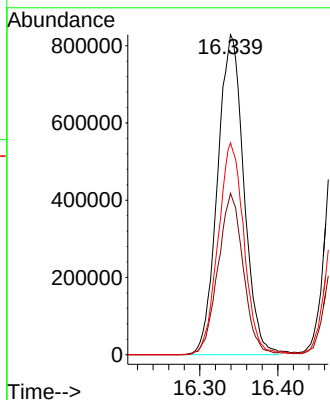
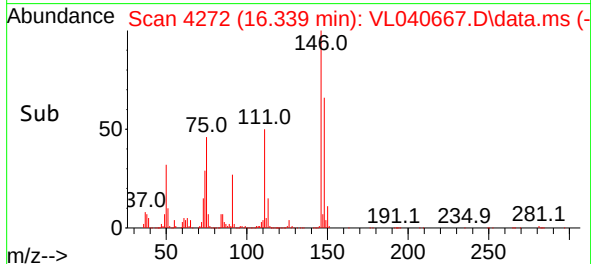
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



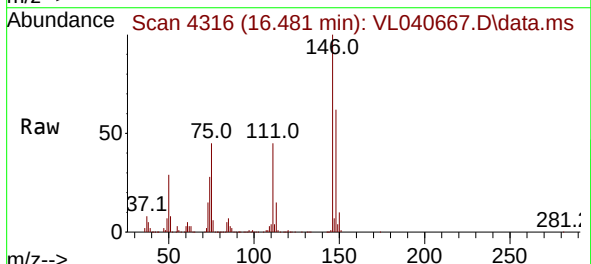
Tgt Ion:146 Resp: 193902
Ion Ratio Lower Upper
146 100
111 48.8 23.7 71.1
148 65.3 31.7 95.1

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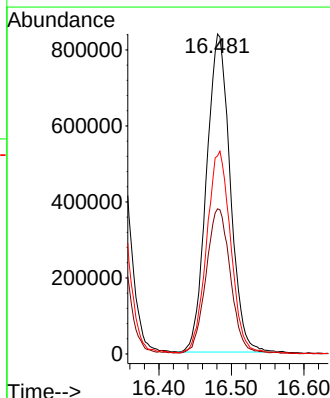
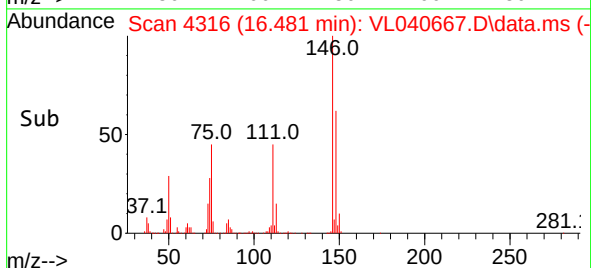
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

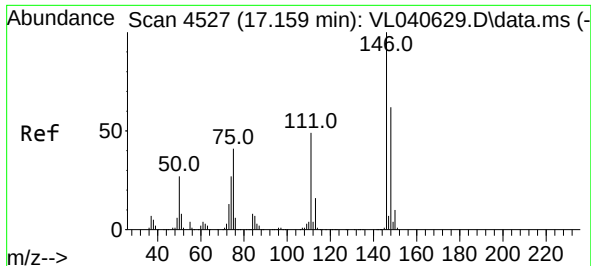


#76
1,4-Dichlorobenzene
Concen: 10.644 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



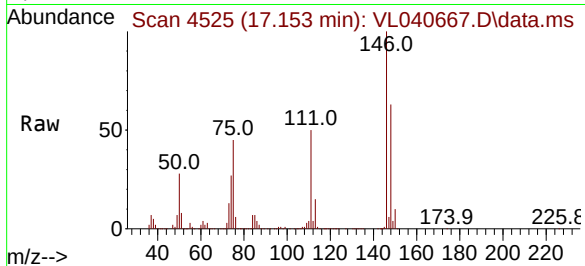
Tgt Ion:146 Resp: 1898552
Ion Ratio Lower Upper
146 100
111 47.5 23.2 69.5
148 65.6 32.5 97.5





#77
1,2-Dichlorobenzene
Concen: 10.538 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.006 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

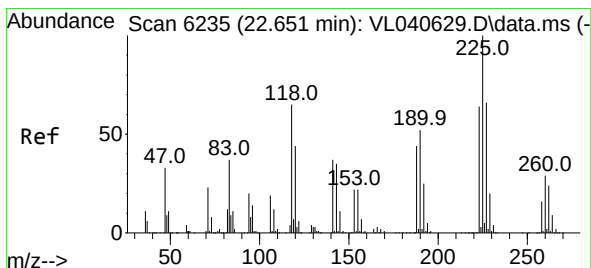
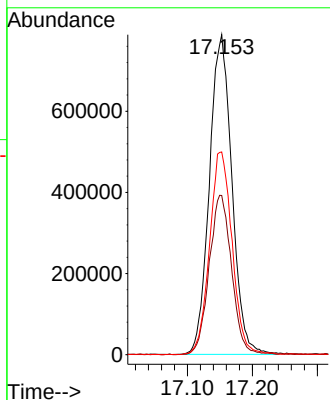
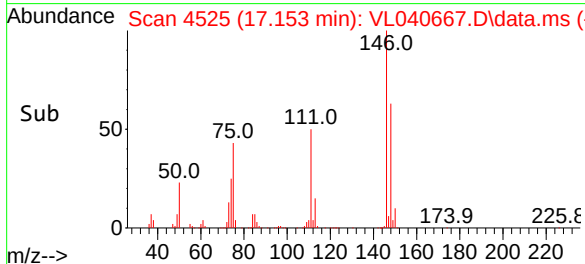
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



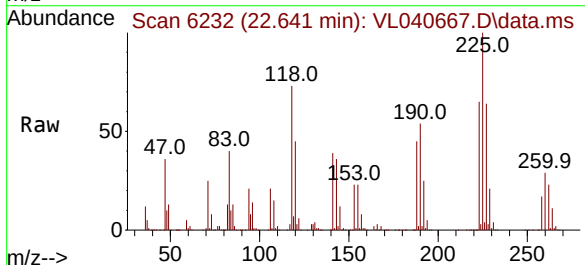
Tgt Ion:146 Resp: 1891808
Ion Ratio Lower Upper
146 100
111 49.8 24.6 74.0
148 63.8 32.1 96.5

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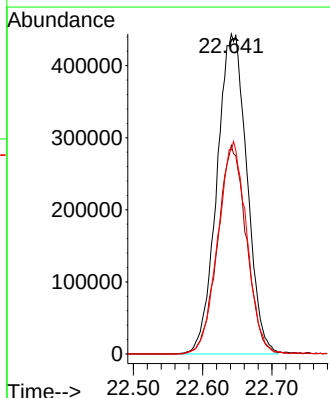
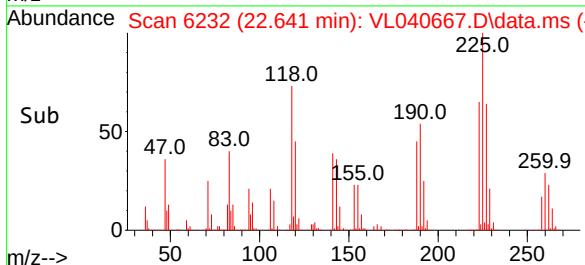
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023

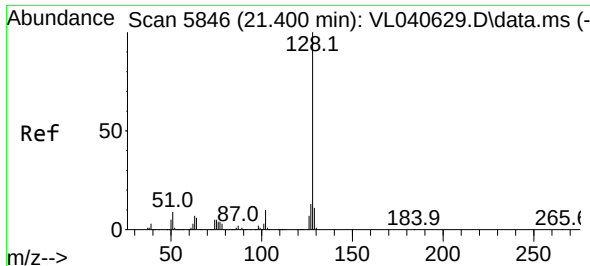


#78
Hexachloro-1,3-Butadiene
Concen: 9.807 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37



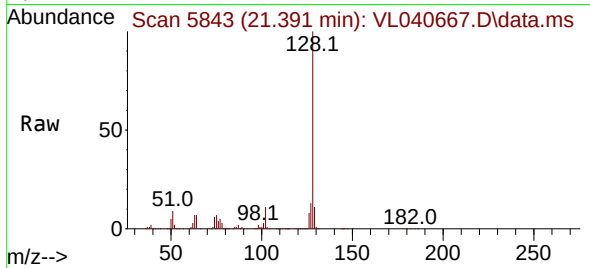
Tgt Ion:225 Resp: 1335669
Ion Ratio Lower Upper
225 100
223 62.7 50.6 76.0
227 63.8 51.2 76.8





#79
Naphthalene
Concen: 13.486 ppbv
RT: 21.391 min Scan# 5843
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

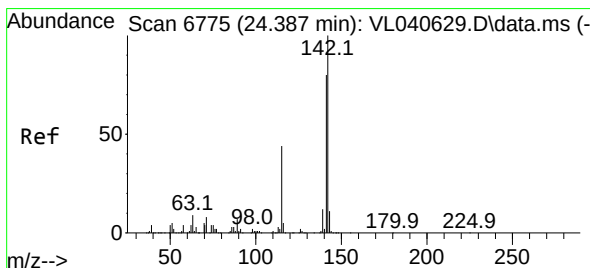
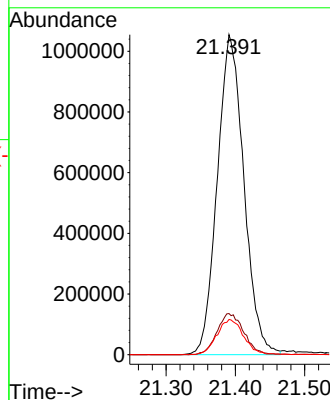
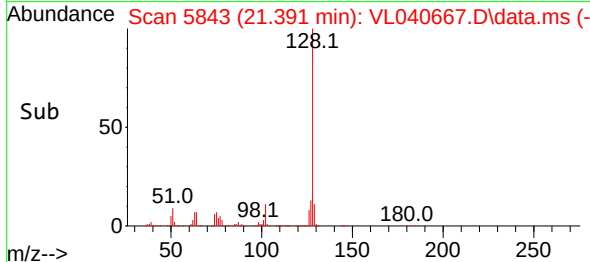
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:128 Resp: 281064
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 9.2 13.8

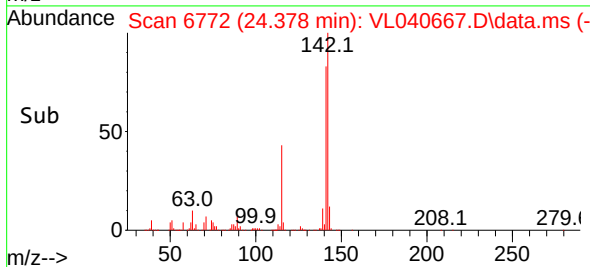
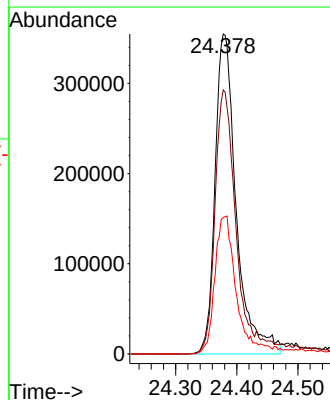
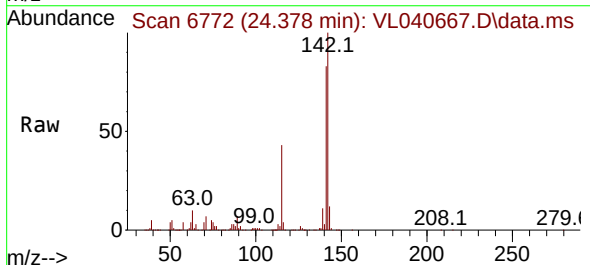
Manual Integrations
APPROVED

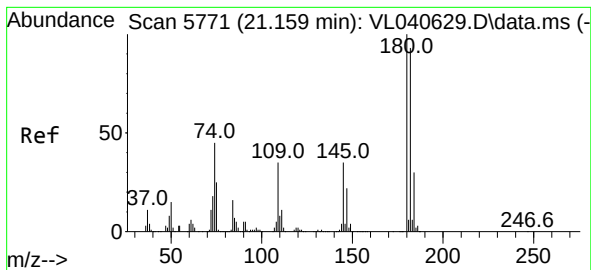
Reviewed By :Semsettin Yesilyurt 09/11/2023
Supervised By :Mahesh Dadoda 09/11/2023



#80
Naphthalene,2-methyl-
Concen: 14.241 ppbv
RT: 24.378 min Scan# 6772
Delta R.T. -0.010 min
Lab File: VL040667.D
Acq: 7 Sep 2023 10:37

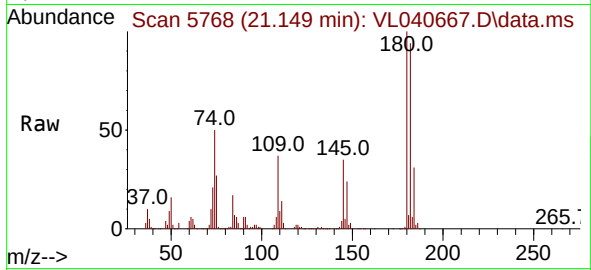
Tgt Ion:142 Resp: 854093
Ion Ratio Lower Upper
142 100
141 87.5 64.6 96.8
115 46.9 33.7 50.5





#81
 1,2,4-Trichlorobenzene
 Concen: 11.288 ppbv
 RT: 21.149 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VL040667.D
 Acq: 7 Sep 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1548394

Ion	Ratio	Lower	Upper
180	100		
182	97.7	78.0	117.0
184	31.4	24.6	36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2023
 Supervised By :Mahesh Dadoda 09/11/2023

