

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040285.D
 Acq On : 15 Mar 2023 15:25
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

Quant Time: Mar 15 15:56:09 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 14:08:38 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1128627	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2842571	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2742707	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2410031 10.686 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2835017	13.478	ppbv	97
3) Chlorodifluoromethane	2.677	51	1803186	13.374	ppbv	98
4) Chloromethane	2.816	50	1145527	13.526	ppbv	98
5) Vinyl Chloride	2.922	62	990735	14.558	ppbv	98
6) Bromomethane	3.124	94	336145	13.685	ppbv	100
7) Chloroethane	3.202	64	377845	14.000	ppbv	98
8) Dichlorotetrafluoroethane	2.861	85	2467917	13.616	ppbv	100
9) Propene	2.697	41	739865	13.462	ppbv	97
10) Heptane	7.590	43	1927392	14.735	ppbv	100
11) Trichlorofluoromethane	3.568	101	2629478	13.932	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1979814	14.219	ppbv	98
13) Ethanol	3.250	45	42702m	8.440	ppbv	
14) Bromoethene	3.369	108	797458	14.936	ppbv	100
15) Acetone	3.472	43	1719121	12.652	ppbv	100
16) 1,3-Butadiene	2.989	39	891779	14.371	ppbv	99
17) tert-Butyl alcohol	3.883	59	1580321	12.753	ppbv	100
18) 1,1-Dichloroethene	3.883	96	865133	14.300	ppbv	98
19) Isopropyl Alcohol	3.581	45	770614	11.931	ppbv	98
20) Methylene Chloride	3.938	84	732422	10.354	ppbv	97
21) Allyl Chloride	4.002	41	1239171	14.869	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	937013	14.957	ppbv	92
23) Vinyl Acetate	4.632	43	581811	14.109	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1801958	13.980	ppbv	99
25) Ethyl Acetate	5.211	43	3508434	13.889	ppbv	100
26) Hexane	5.221	57	1477434	13.625	ppbv	99
27) Carbon Disulfide	4.128	76	2249153	16.346	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	1626611	14.000	ppbv	99
29) Chloroform	5.282	83	2574162	13.825	ppbv	97
30) Cyclohexane	6.610	84	1242638	14.594	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1536128	14.909	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	2580049	14.748	ppbv	99
34) 2-Butanone	4.793	43	1950589	13.911	ppbv	98
35) Carbon Tetrachloride	6.504	117	2732206	16.259	ppbv	99
36) Benzene	6.381	78	3129077	14.145	ppbv	98
37) 1,2-Dichloroethane	5.816	62	2018287	14.588	ppbv	99
38) Trichloroethene	7.304	130	1940611	15.920	ppbv	98
39) 1,2-Dichloropropane	7.086	63	1216727	14.139	ppbv	97
40) 1,4-Dioxane	7.298	88	468420	13.607	ppbv	93
41) Tetrahydrofuran	5.562	42	1197765	14.740	ppbv	99
42) Bromodichloromethane	7.259	83	2879245	15.077	ppbv	99
43) Methyl Methacrylate	7.484	69	1301773	15.904	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	5197726	14.076	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	1319635	18.175	ppbv	100

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Manual Integrations
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

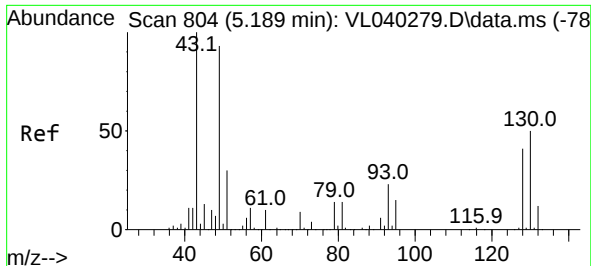
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Mar 15 14:08:38 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1735243	17.154	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1344515	14.445	ppbv	98
48) Dibromochloromethane	9.722	129	2377610	15.971	ppbv	100
49) Bromoform	12.423	173	1869178	16.086	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	3291460	15.118	ppbv	100
51) 2-Hexanone	9.561	43	2620092	15.648	ppbv #	99
52) Tetrachloroethene	10.629	164	1090516	15.787	ppbv	99
53) Toluene	9.233	91	3661124	15.452	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1519761	15.693	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.520	131	1667946	14.488	ppbv #	92
57) Chlorobenzene	11.542	112	2841220	14.179	ppbv	99
58) Ethyl Benzene	12.101	91	4982104	14.950	ppbv	99
59) m/p-Xylene	12.384	91	8622437m	29.213	ppbv	
60) o-Xylene	13.073	91	4183939	14.732	ppbv	99
61) Styrene	12.912	104	2451903	16.444	ppbv	100
62) Isopropylbenzene	14.044	105	5739718	14.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1334434	13.039	ppbv	100
64) n-propylbenzene	14.931	120	1492957	14.797	ppbv	97
65) tert-Butylbenzene	16.105	119	4955393	13.984	ppbv	100
66) Benzyl Chloride	16.342	91	374144	15.867	ppbv	99
67) sec-Butylbenzene	16.651	105	6927833	13.632	ppbv	99
69) p-Isopropyltoluene	17.011	119	5594155	13.886	ppbv	99
70) n-Butylbenzene	17.902	91	6031417	13.793	ppbv	99
71) 2-Chlorotoluene	14.815	91	4472795	14.346	ppbv	100
72) 4-Ethyltoluene	15.207	105	4678832	14.903	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	4119677	14.102	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	4474955	13.946	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	2434847	13.865	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2413678	14.026	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2289760	13.127	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1664518	13.890	ppbv	99
79) Naphthalene	21.400	128	3600935	19.975	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1001148	19.530	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1875044	16.622	ppbv	98

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



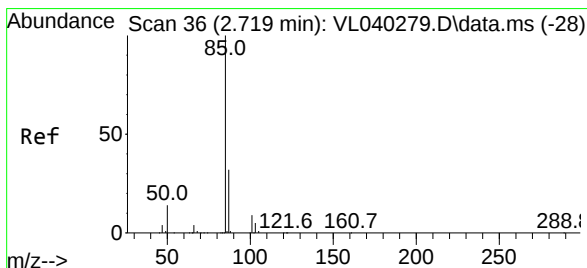
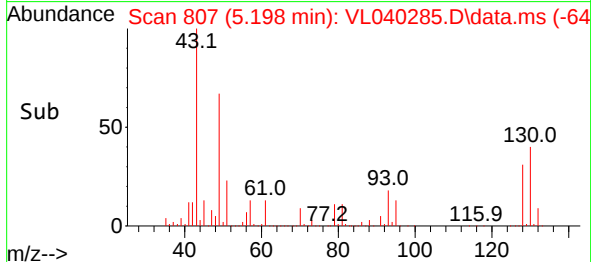
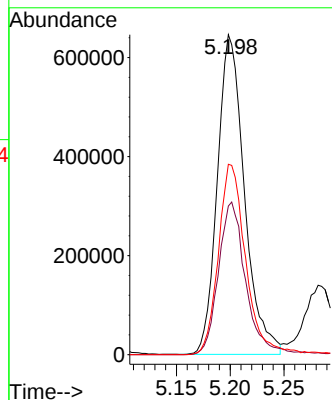
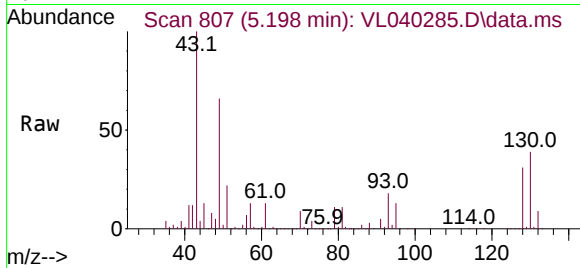
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
Client SampleId :
VSTDIC015

Tgt Ion: 49 Resp: 112862
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.3
130 61.2 30.9 92.8

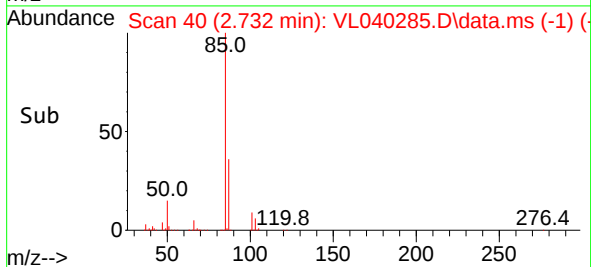
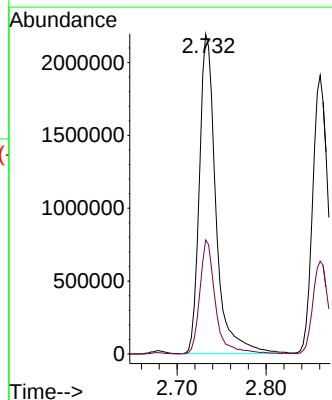
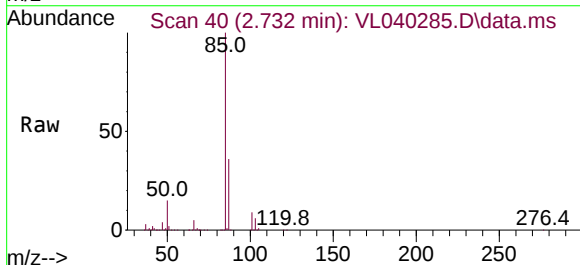
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#2
Dichlorodifluoromethane
Concen: 13.478 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.019 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 85 Resp: 2835017
Ion Ratio Lower Upper
85 100
87 35.7 27.0 40.6





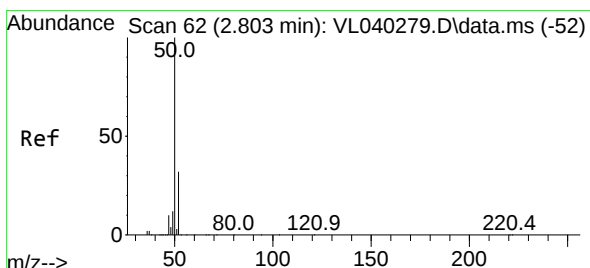
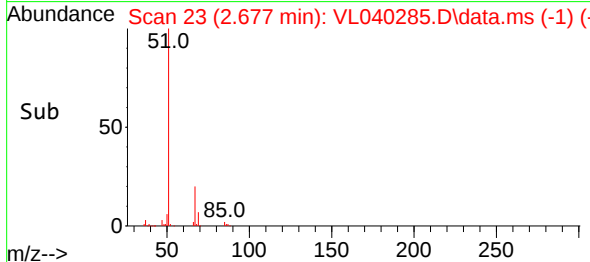
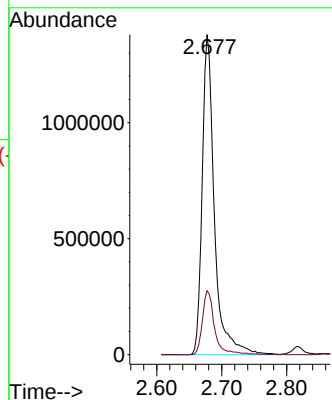
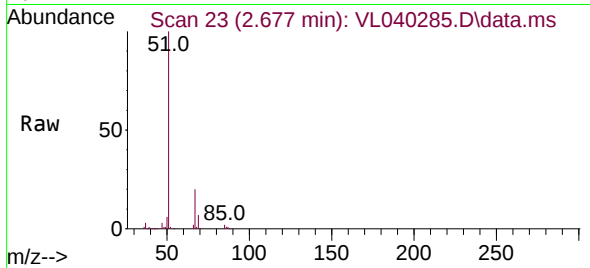
#3
Chlorodifluoromethane
Concen: 13.374 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 1803180
Ion Ratio Lower Upper
51 100
67 20.1 15.4 23.2

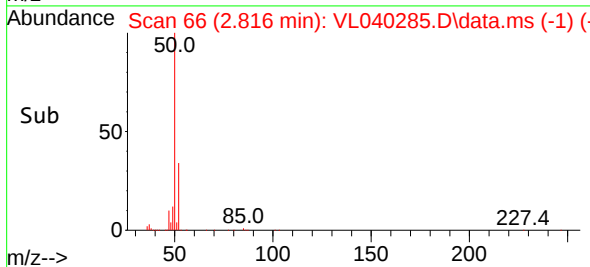
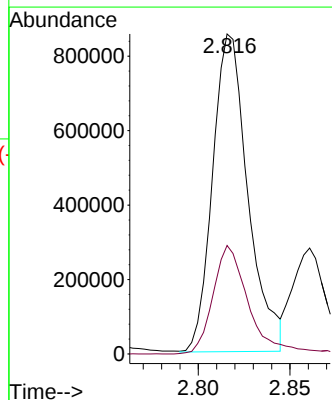
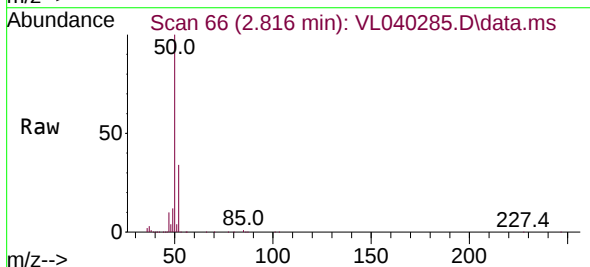
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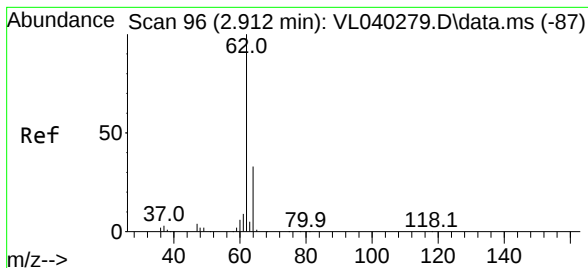
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#4
Chloromethane
Concen: 13.526 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 50 Resp: 1145527
Ion Ratio Lower Upper
50 100
52 34.1 28.3 42.5





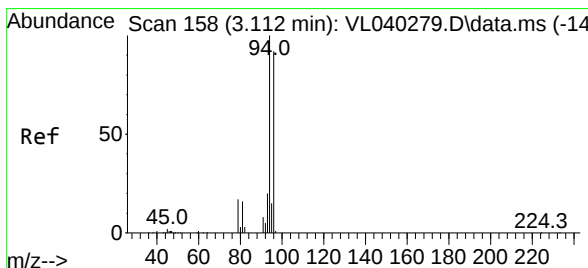
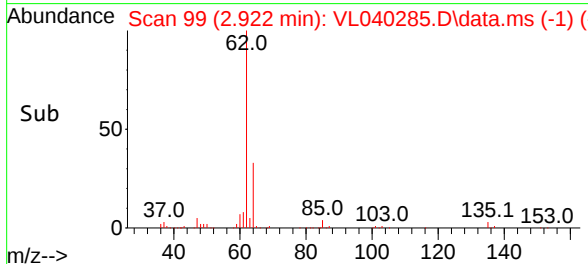
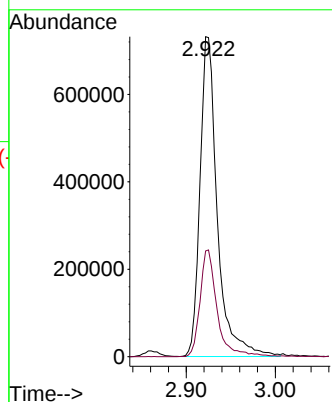
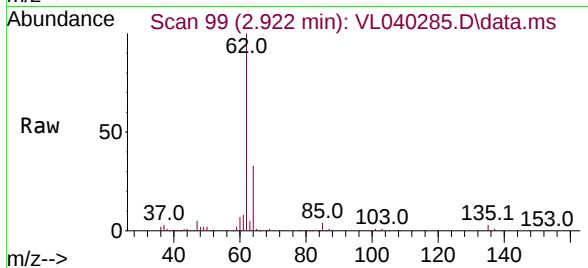
#5
 Vinyl Chloride
 Concen: 14.558 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.016 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 990735
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.6 38.4

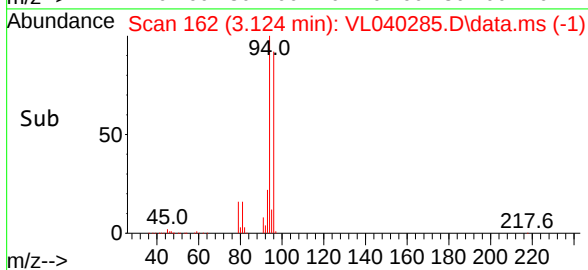
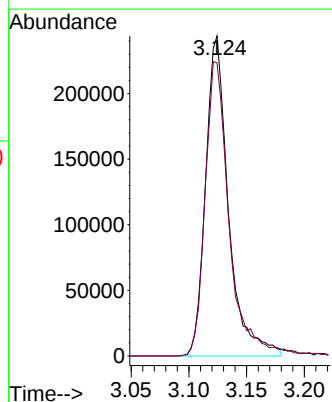
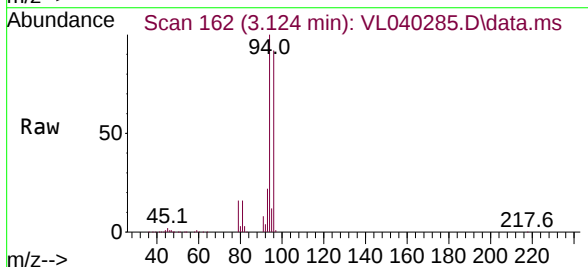
Manual Integrations
 APPROVED

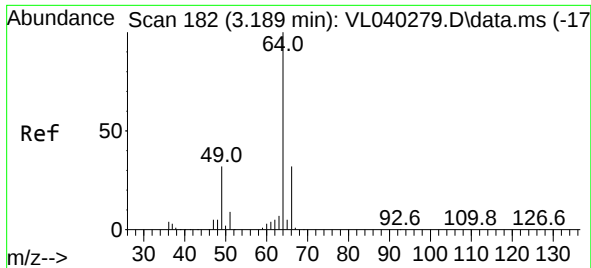
Reviewed By :Semsettin Yesilyurt 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023



#6
 Bromomethane
 Concen: 13.685 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.019 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

Tgt Ion: 94 Resp: 336145
 Ion Ratio Lower Upper
 94 100
 96 91.6 73.4 110.2





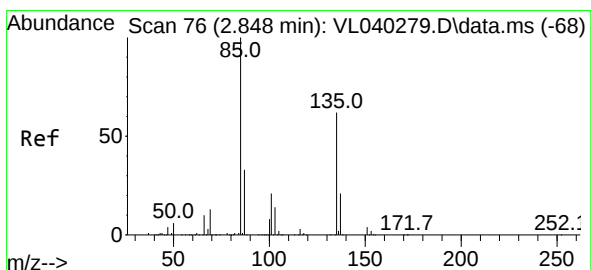
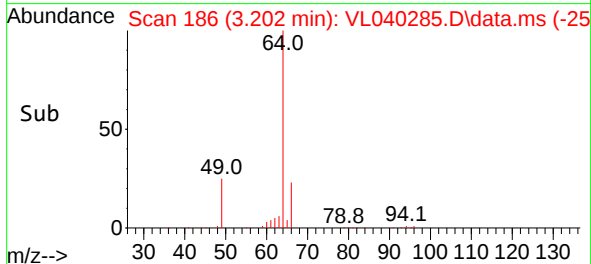
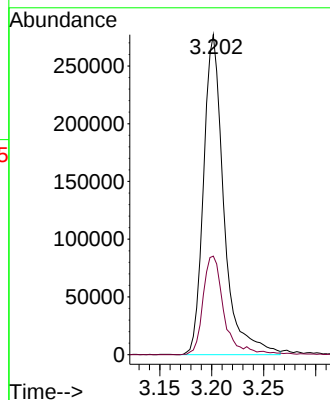
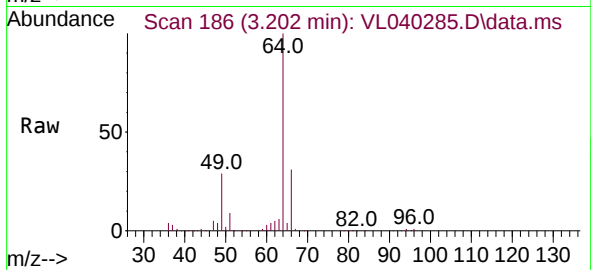
#7
Chloroethane
Concen: 14.000 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 37784
Ion Ratio Lower Upper
64 100
66 30.8 25.4 38.2

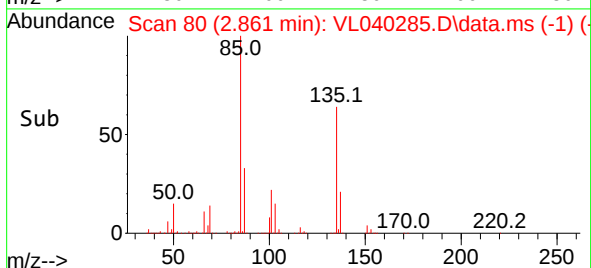
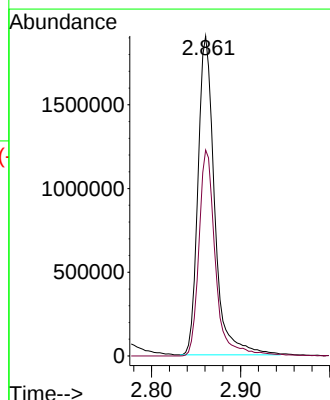
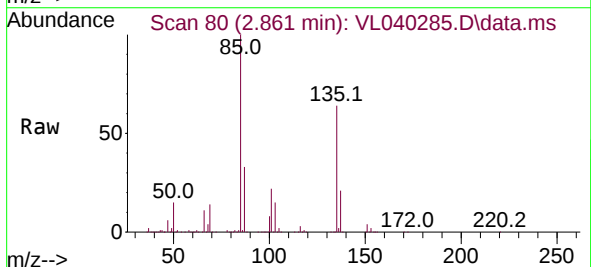
Manual Integrations
APPROVED

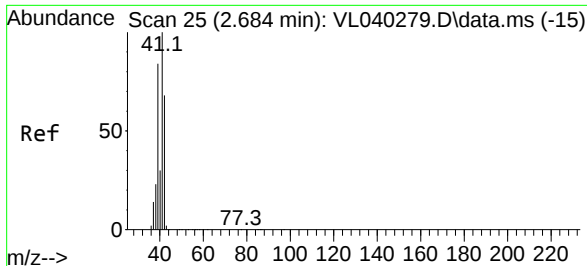
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#8
Dichlorotetrafluoroethane
Concen: 13.616 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.019 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

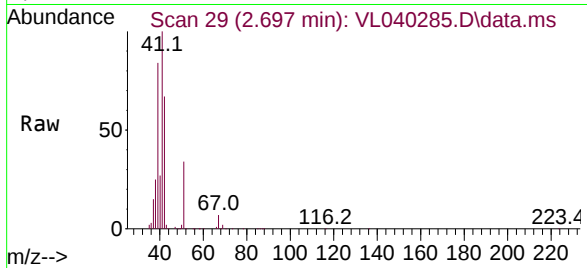
Tgt Ion: 85 Resp: 2467917
Ion Ratio Lower Upper
85 100
135 64.8 51.5 77.3





#9
 Propene
 Concen: 13.462 ppbv
 RT: 2.697 min Scan# 24
 Delta R.T. 0.019 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

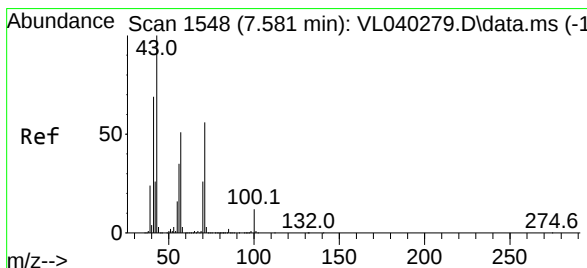
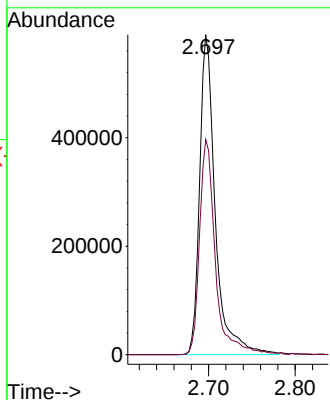
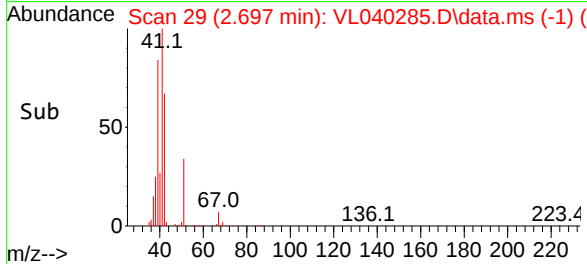
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



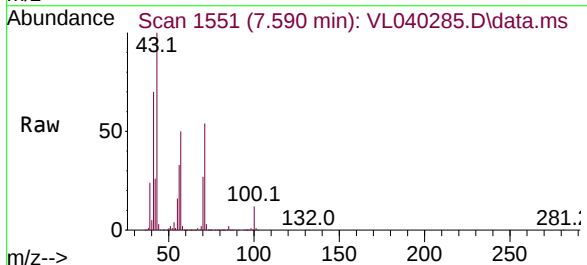
Tgt Ion: 41 Resp: 73986
 Ion Ratio Lower Upper
 41 100
 42 68.3 56.9 85.3

Manual Integrations
 APPROVED

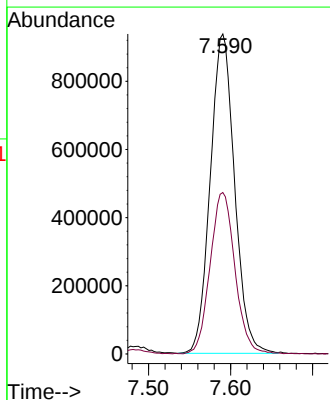
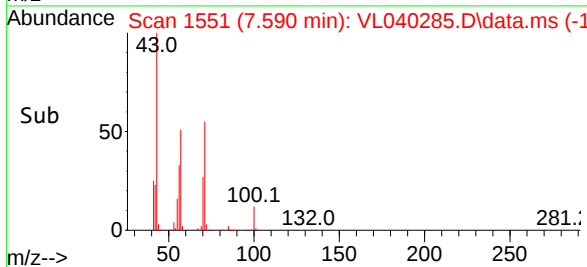
Reviewed By :Semsettin Yesilyurt 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023



#10
 Heptane
 Concen: 14.735 ppbv
 RT: 7.590 min Scan# 1551
 Delta R.T. 0.010 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25



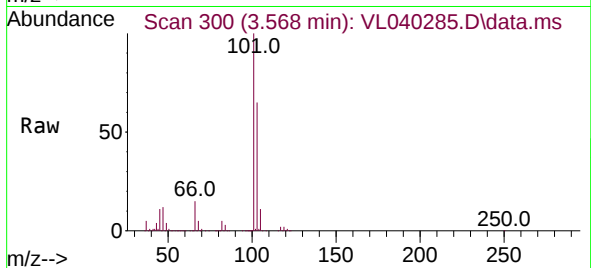
Tgt Ion: 43 Resp: 1927392
 Ion Ratio Lower Upper
 43 100
 57 51.7 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 13.932 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.016 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

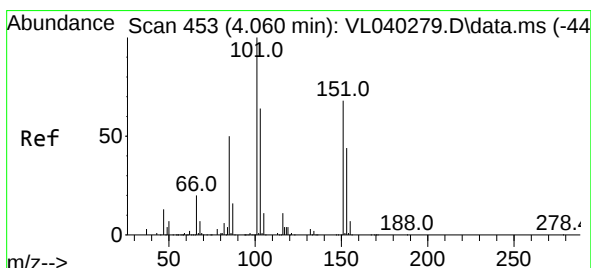
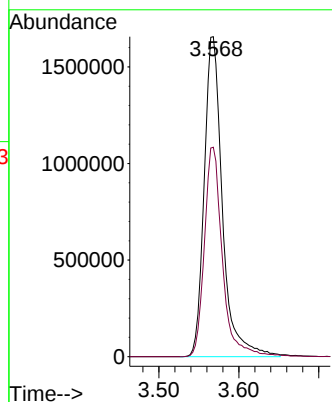
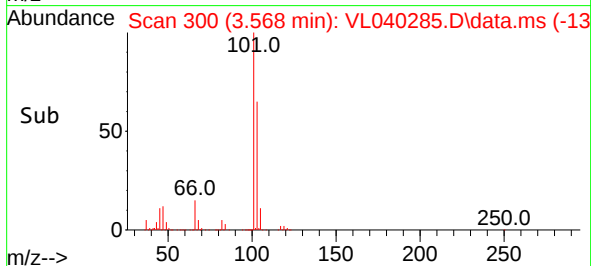
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



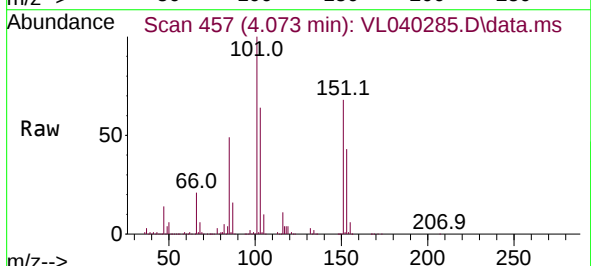
Tgt Ion:101 Resp: 2629478
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6

Manual Integrations
 APPROVED

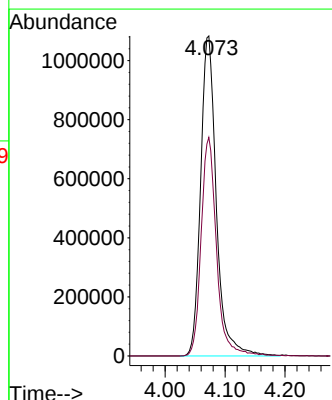
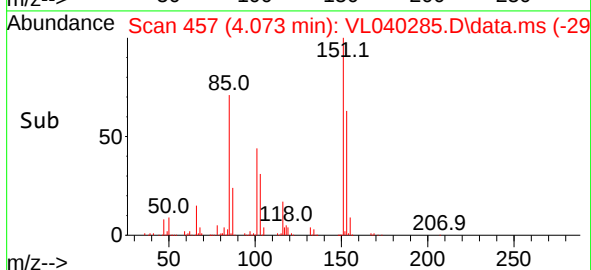
Reviewed By :Semsettin Yesilyurt 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023

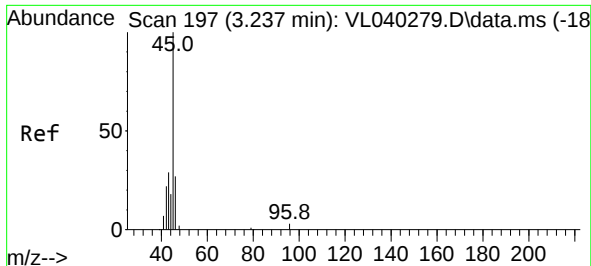


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.219 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.016 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25



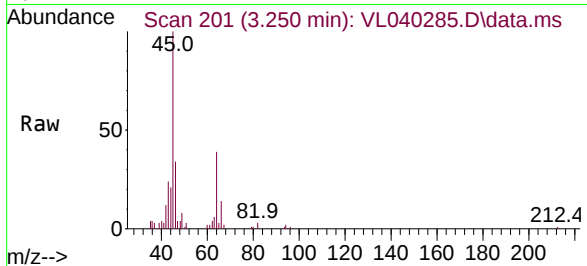
Tgt Ion:101 Resp: 1979814
 Ion Ratio Lower Upper
 101 100
 151 67.0 54.7 82.1





#13
Ethanol
Concen: 8.440 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

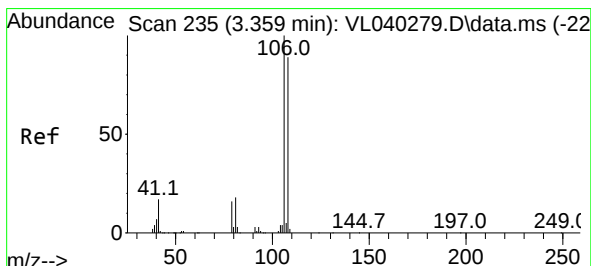
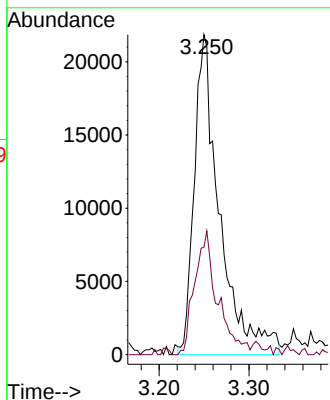
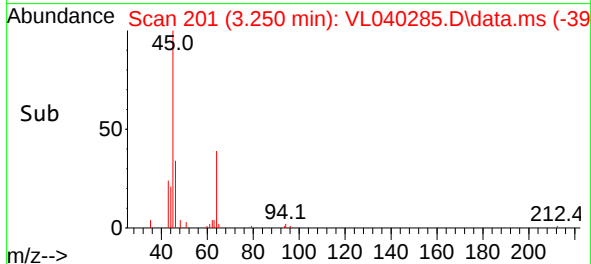
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



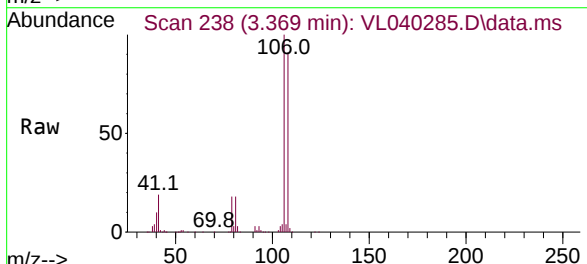
Tgt Ion: 45 Resp: 4270
Ion Ratio Lower Upper
45 100
46 36.9 13.3 53.1

Manual Integrations
APPROVED

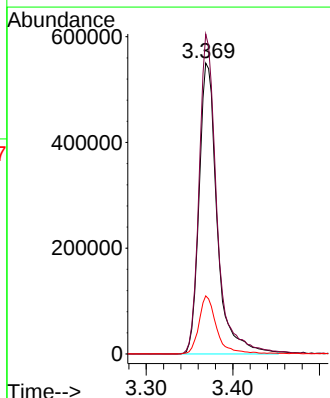
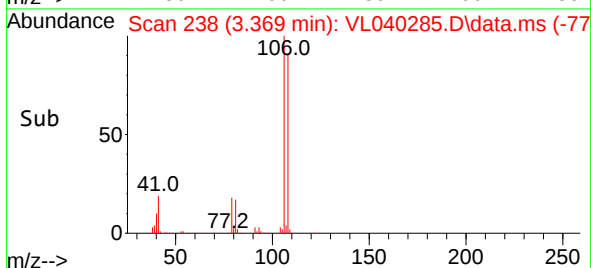
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

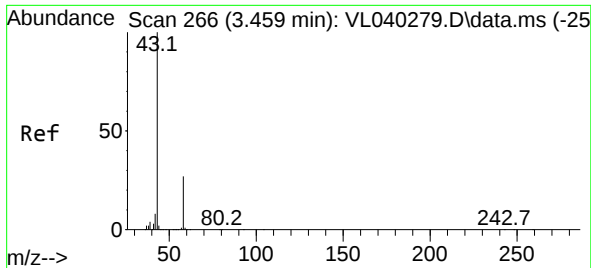


#14
Bromoethene
Concen: 14.936 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



Tgt Ion:108 Resp: 797458
Ion Ratio Lower Upper
108 100
106 108.4 87.1 130.7
79 19.6 15.4 23.2





#15

Acetone

Concen: 12.652 ppbv

RT: 3.472 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 171912

Ion Ratio Lower Upper

43 100

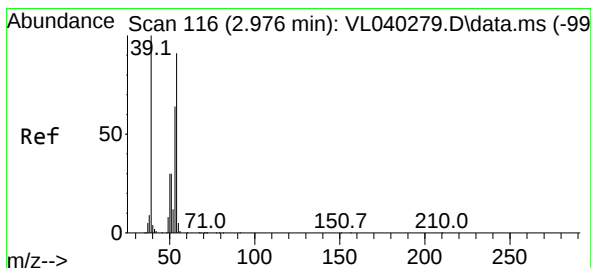
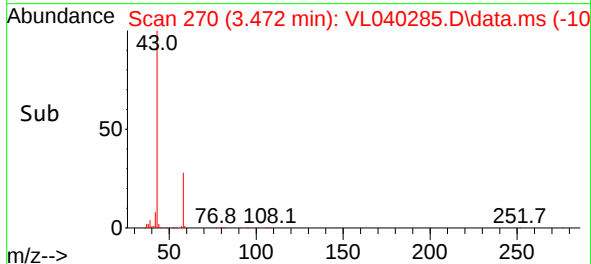
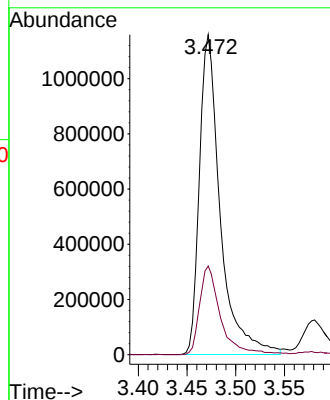
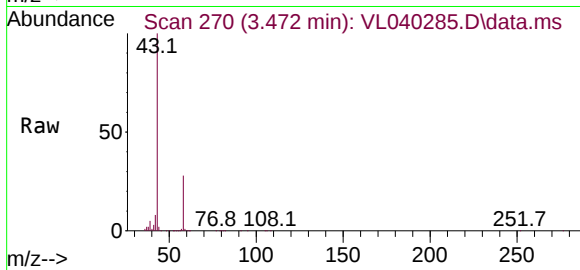
58 27.9 22.4 33.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#16

1,3-Butadiene

Concen: 14.371 ppbv

RT: 2.989 min Scan# 120

Delta R.T. 0.019 min

Lab File: VL040285.D

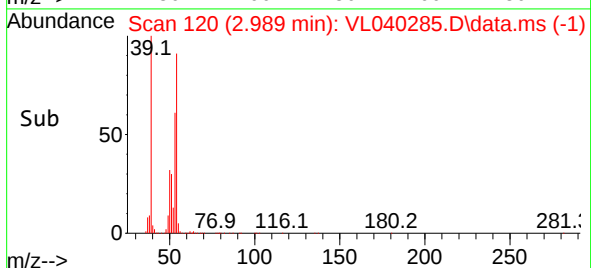
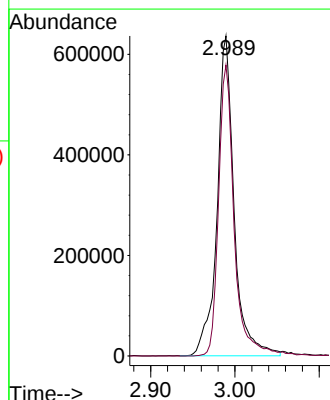
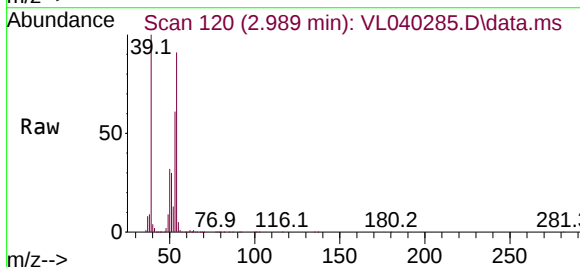
Acq: 15 Mar 2023 15:25

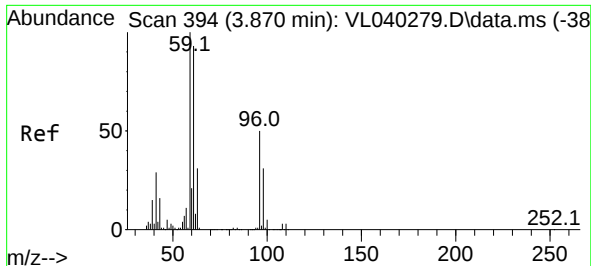
Tgt Ion: 39 Resp: 891779

Ion Ratio Lower Upper

39 100

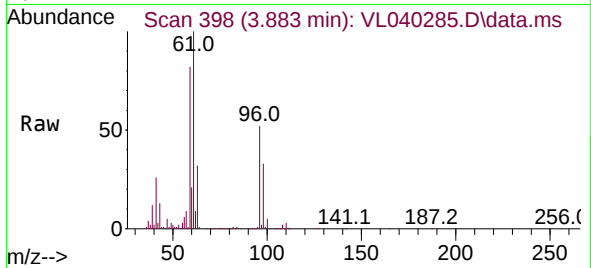
54 84.0 66.7 100.1





#17
tert-Butyl alcohol
Concen: 12.753 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

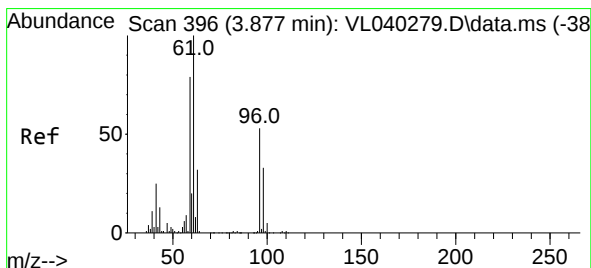
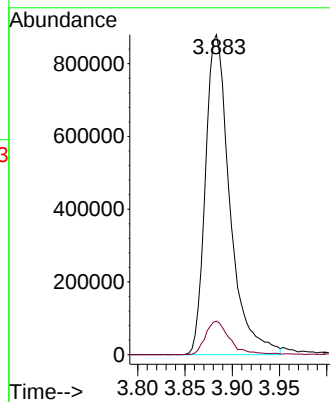
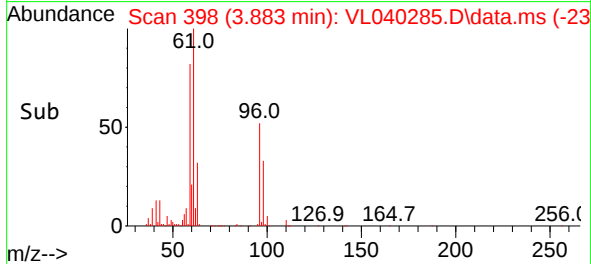
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 59 Resp: 158032
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

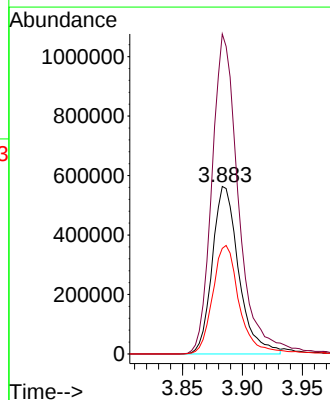
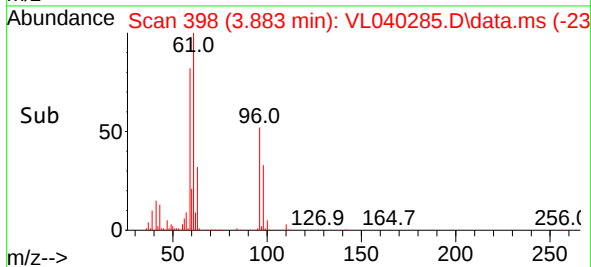
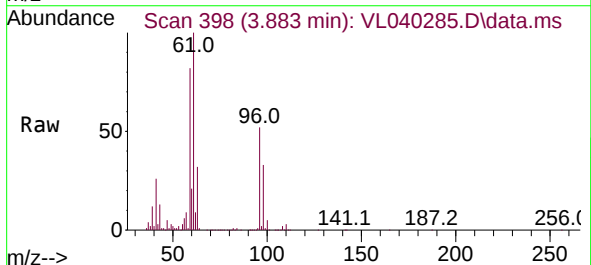
Manual Integrations
APPROVED

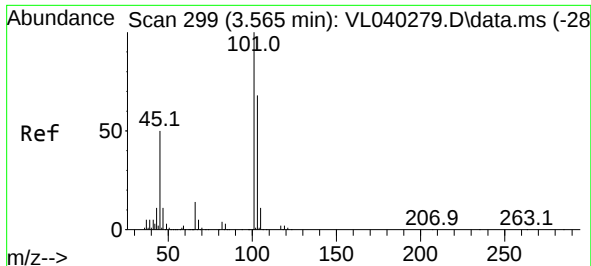
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#18
1,1-Dichloroethene
Concen: 14.300 ppbv
RT: 3.883 min Scan# 398
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 96 Resp: 865133
Ion Ratio Lower Upper
96 100
61 191.0 149.6 224.4
98 63.0 51.1 76.7





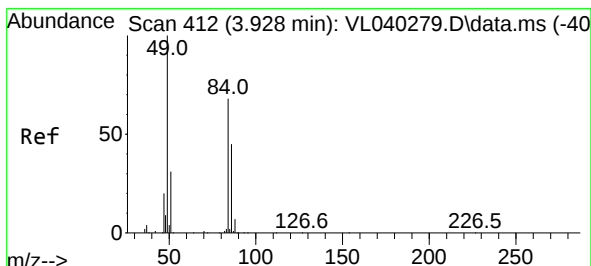
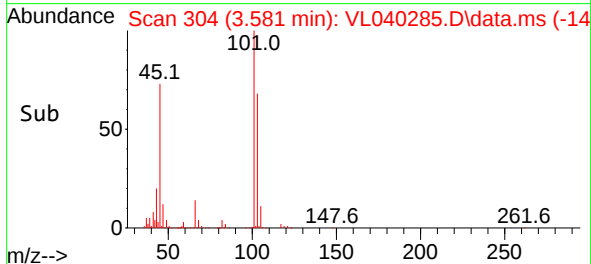
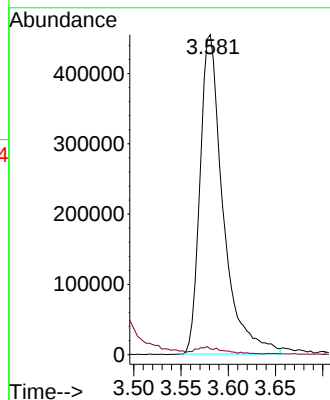
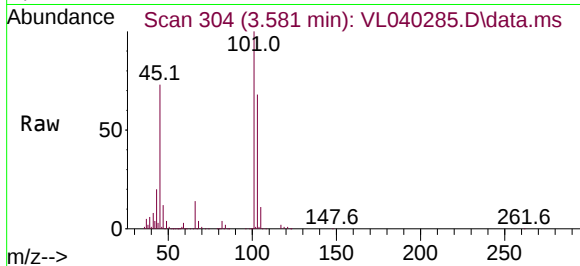
#19
Isopropyl Alcohol
Concen: 11.931 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.019 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 770614
Ion Ratio Lower Upper
45 100
58 3.7 2.6 3.8

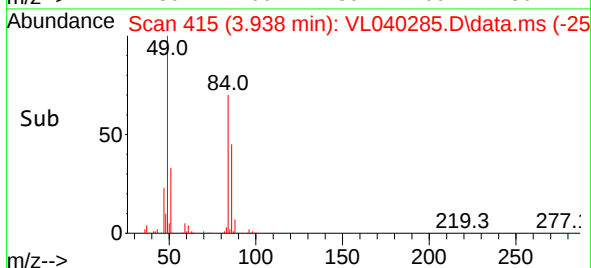
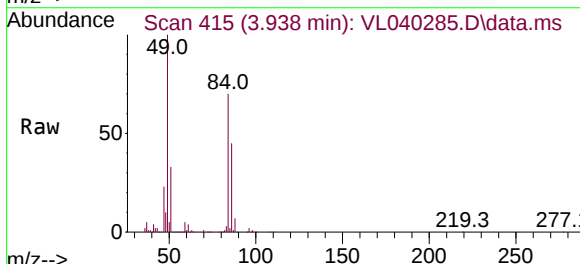
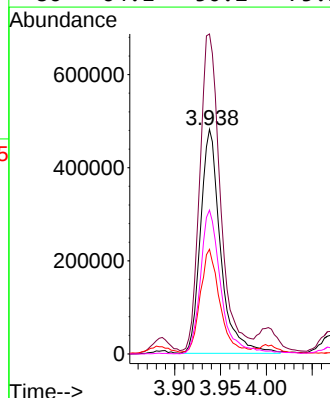
Manual Integrations
APPROVED

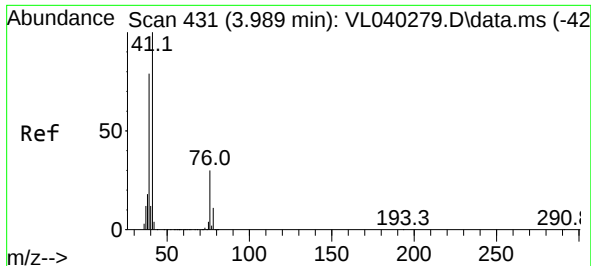
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#20
Methylene Chloride
Concen: 10.354 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

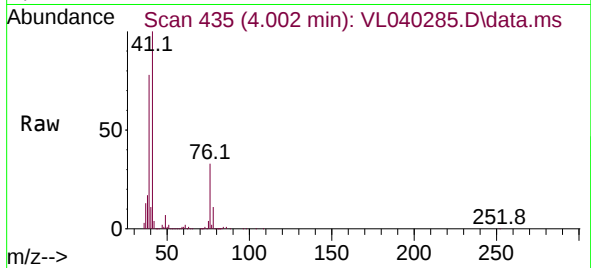
Tgt Ion: 84 Resp: 732422
Ion Ratio Lower Upper
84 100
49 141.3 115.5 173.3
51 45.9 33.1 49.7
86 64.1 50.2 75.2





#21
 Allyl Chloride
 Concen: 14.869 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

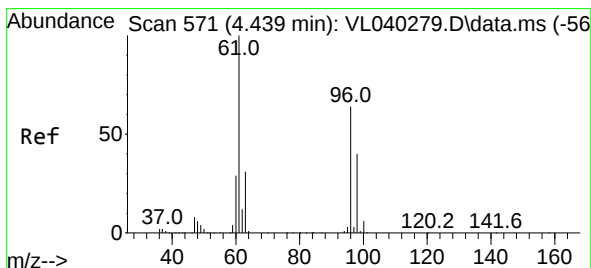
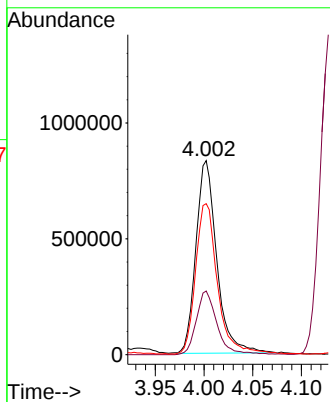
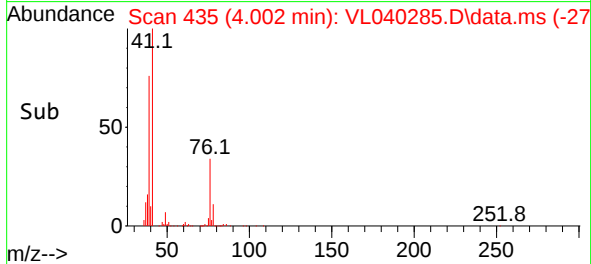
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 123917
 Ion Ratio Lower Upper
 41 100
 76 33.0 25.5 38.3
 39 82.6 64.5 96.7

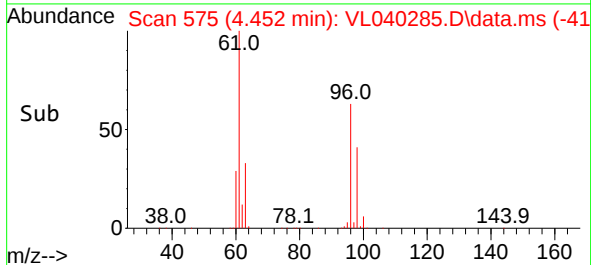
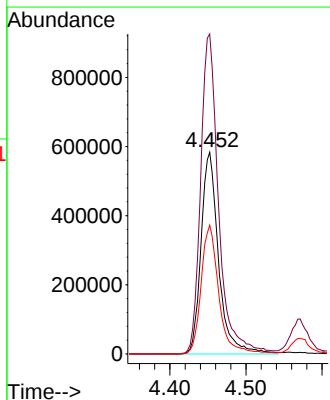
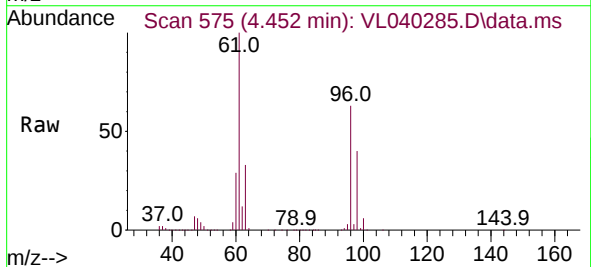
Manual Integrations
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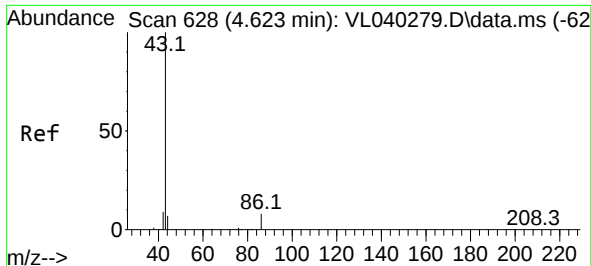
Reviewed By :Semsettin Yesilyurt 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023



#22
 trans-1,2-Dichloroethene
 Concen: 14.957 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.016 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

Tgt Ion: 96 Resp: 937013
 Ion Ratio Lower Upper
 96 100
 61 158.5 137.5 206.3
 98 63.8 52.8 79.2





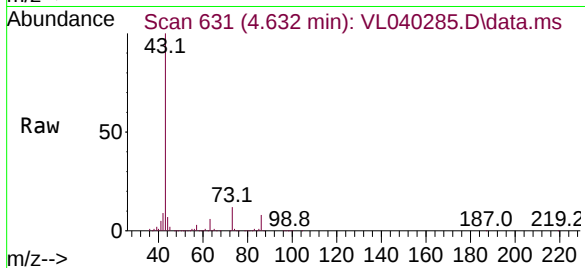
#23
 Vinyl Acetate
 Concen: 14.109 ppbv
 RT: 4.632 min Scan# 611
 Delta R.T. 0.013 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

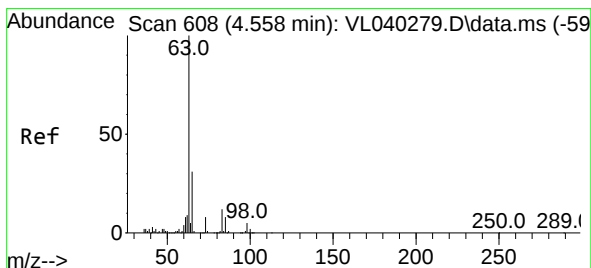
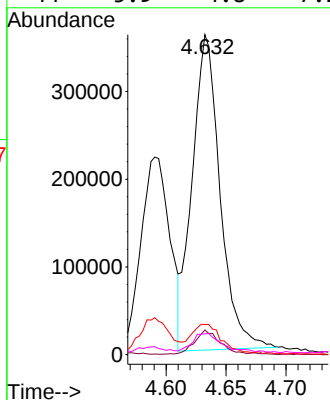
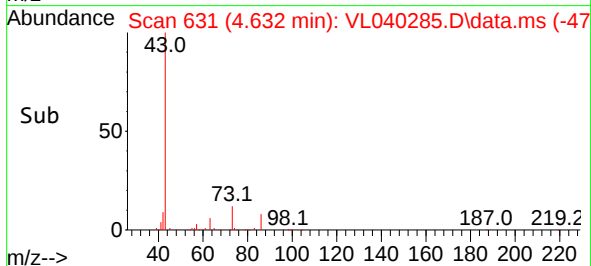


Tgt Ion: 43 Resp: 58181
 Ion Ratio Lower Upper
 43 100
 86 7.8 5.6 8.4
 42 9.2 7.6 11.4
 44 5.9 4.8 7.2

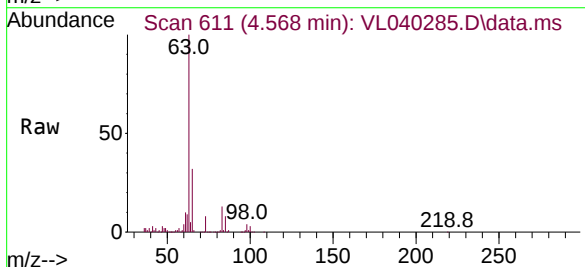
Manual Integrations

APPROVED

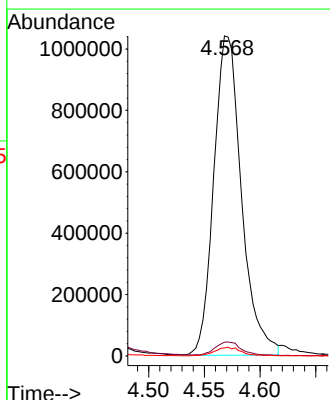
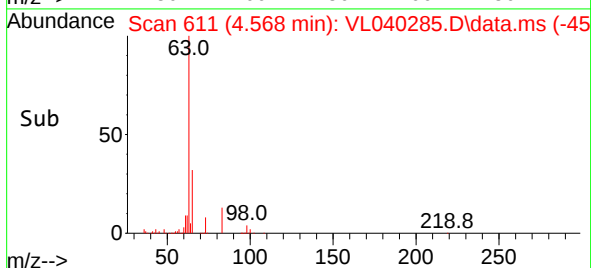
Reviewed By :Semsettin Yesilyurt 03/16/2023
 Supervised By :Mahesh Dadoda 03/16/2023

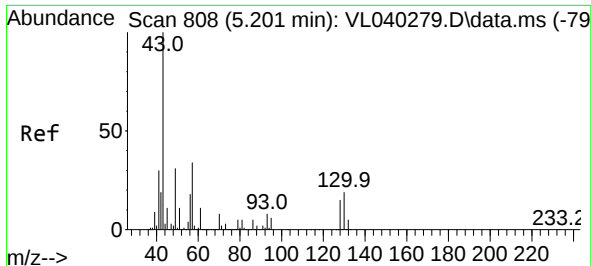


#24
 1,1-Dichloroethane
 Concen: 13.980 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.013 min
 Lab File: VL040285.D
 Acq: 15 Mar 2023 15:25



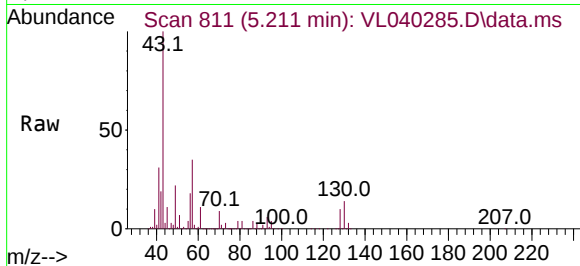
Tgt Ion: 63 Resp: 1801958
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.3 6.8
 100 2.4 1.4 4.0





#25
Ethyl Acetate
Concen: 13.889 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

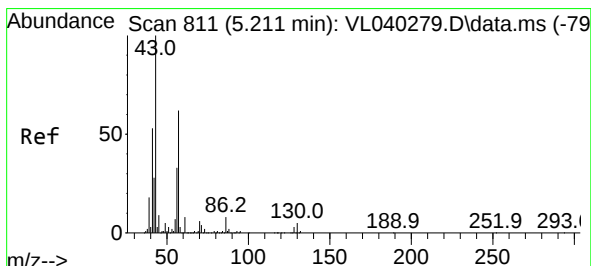
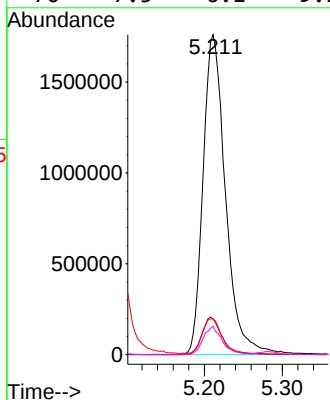
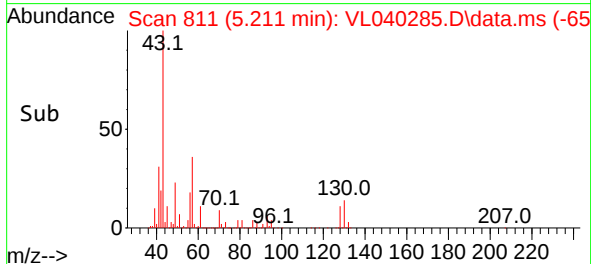
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



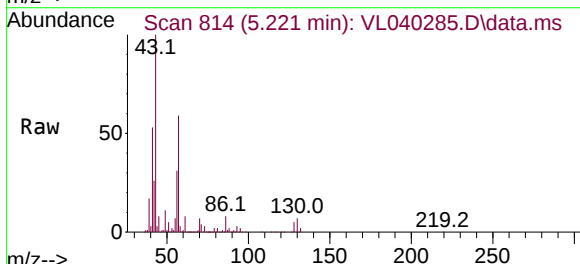
Tgt Ion: 43 Resp: 3508434
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 10.6 8.4 12.6
70 7.5 6.1 9.1

Manual Integrations
APPROVED

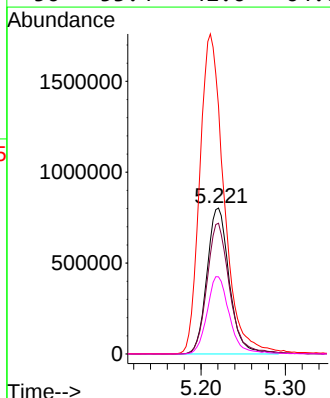
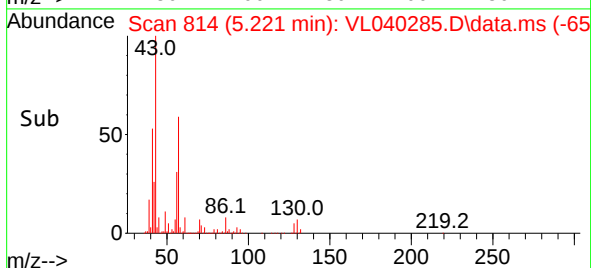
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

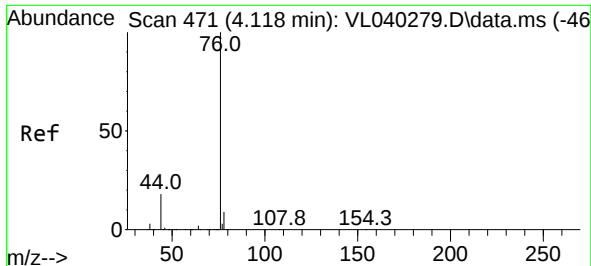


#26
Hexane
Concen: 13.625 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



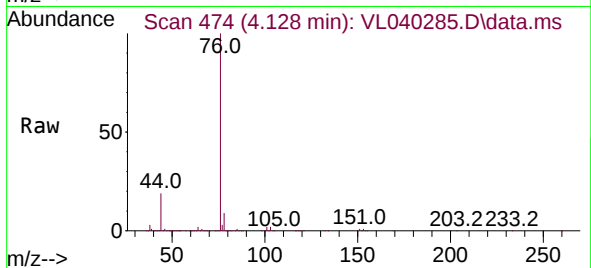
Tgt Ion: 57 Resp: 1477434
Ion Ratio Lower Upper
57 100
41 92.1 74.3 111.5
43 239.7 193.0 289.4
56 53.4 42.6 64.0





#27
Carbon Disulfide
Concen: 16.346 ppbv
RT: 4.128 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

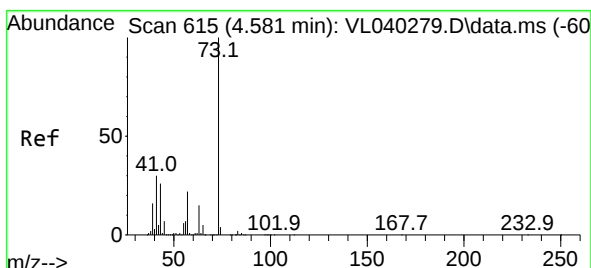
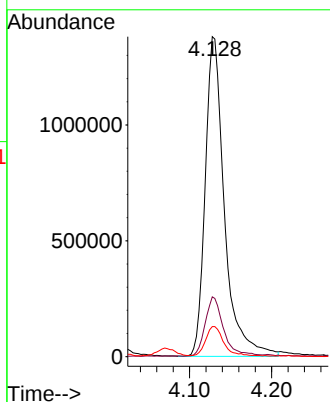
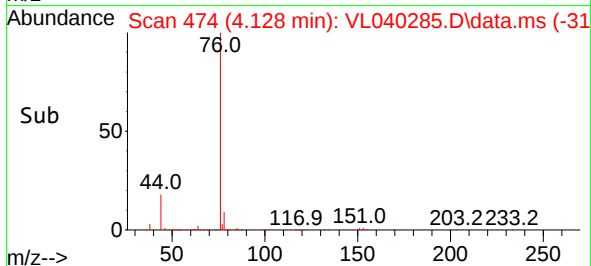
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 224915
Ion Ratio Lower Upper
76 100
44 18.4 15.3 22.9
78 9.3 7.7 11.5

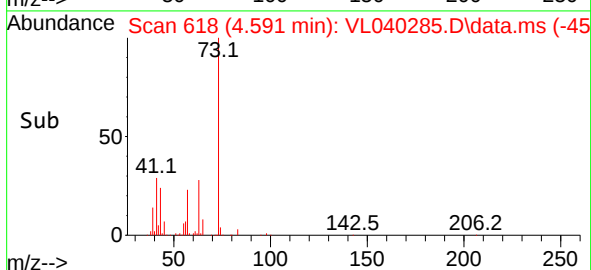
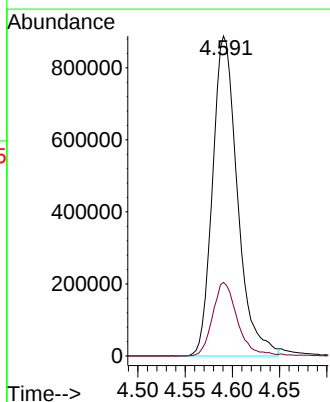
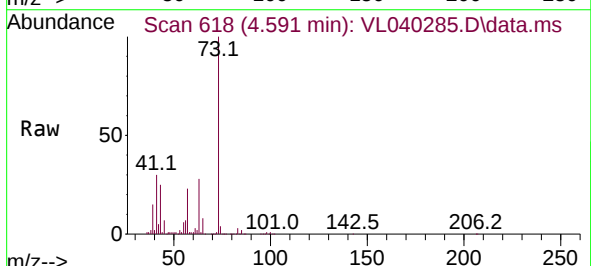
Manual Integrations
APPROVED

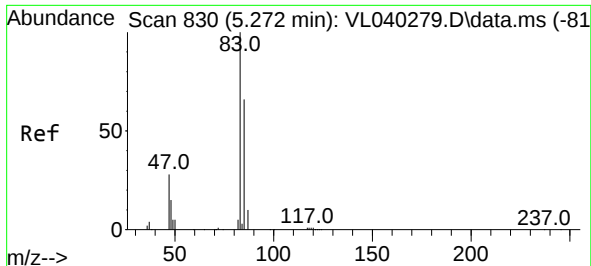
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#28
Methyl tert-Butyl Ether
Concen: 14.000 ppbv
RT: 4.591 min Scan# 618
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 73 Resp: 1626611
Ion Ratio Lower Upper
73 100
57 23.2 18.8 28.2





#29

Chloroform

Concen: 13.825 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 257416

Ion Ratio Lower Upper

83 100

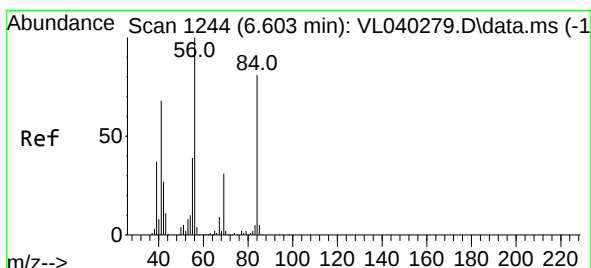
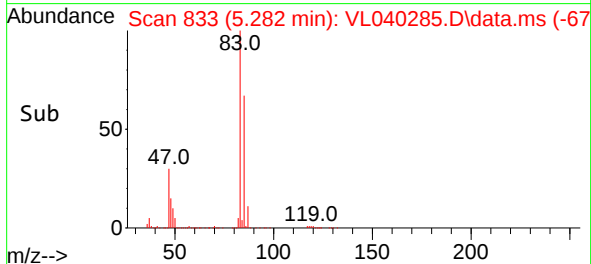
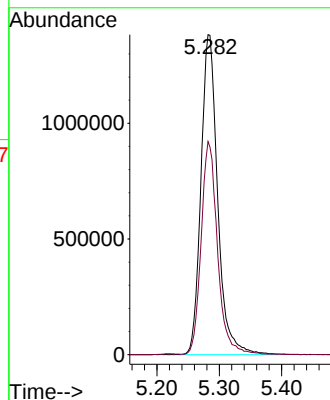
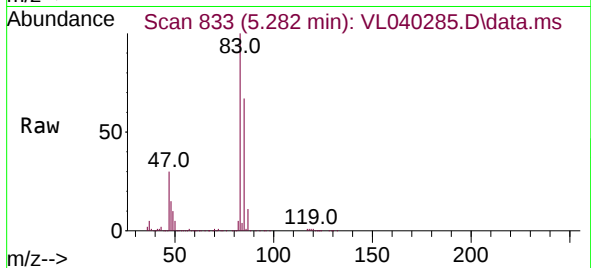
85 66.5 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#30

Cyclohexane

Concen: 14.594 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

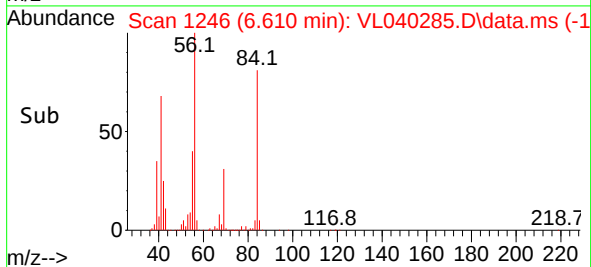
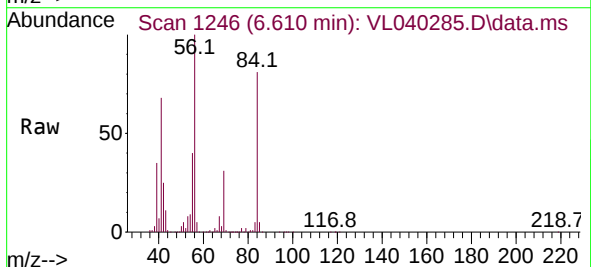
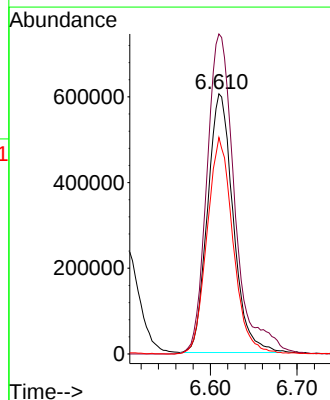
Tgt Ion: 84 Resp: 1242638

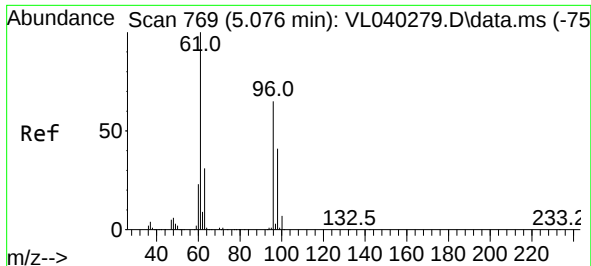
Ion Ratio Lower Upper

84 100

56 135.3 109.9 164.9

41 85.0 67.8 101.6





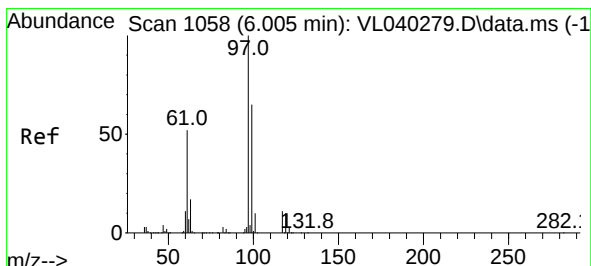
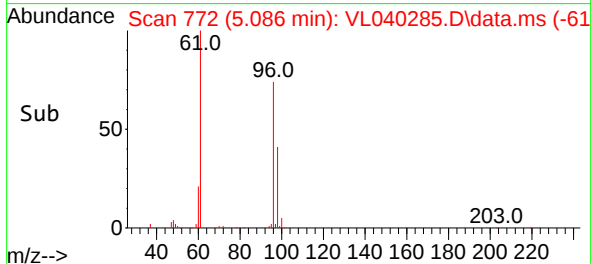
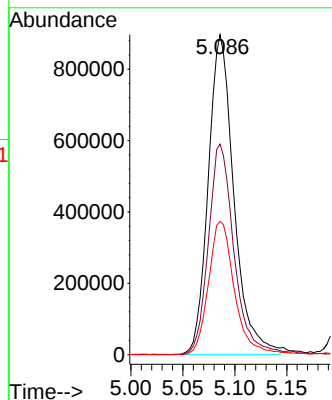
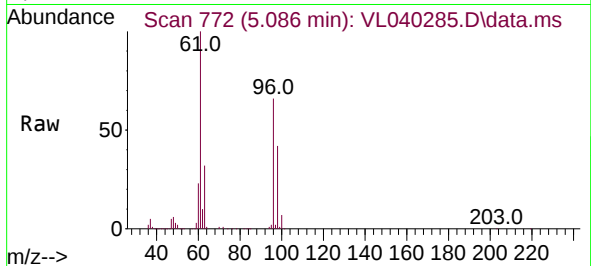
#31
cis-1,2-Dichloroethene
Concen: 14.909 ppbv
RT: 5.086 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 61 Resp: 1536128
Ion Ratio Lower Upper
61 100
96 65.7 53.7 80.5
98 41.6 36.4 54.6

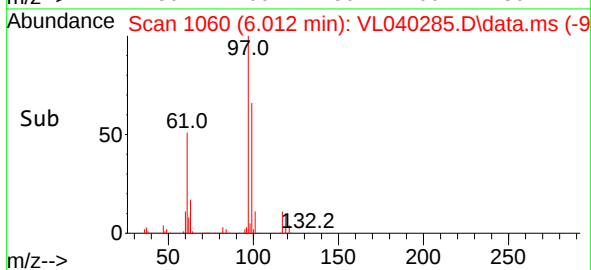
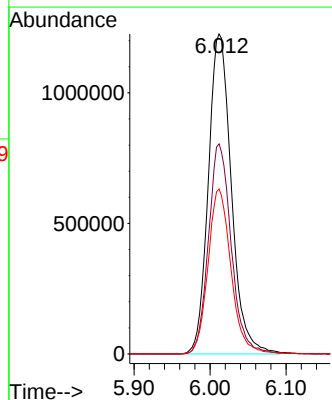
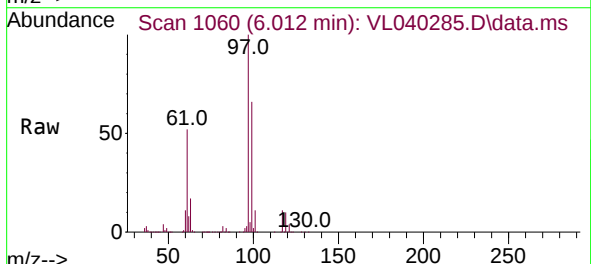
Manual Integrations
APPROVED

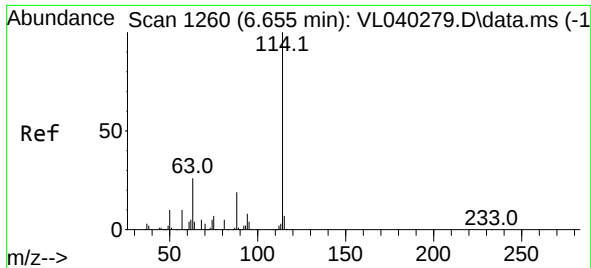
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#32
1,1,1-Trichloroethane
Concen: 14.748 ppbv
RT: 6.012 min Scan# 1060
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

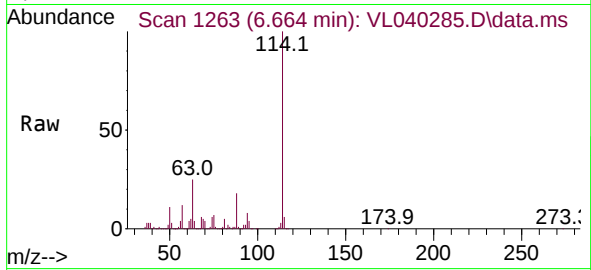
Tgt Ion: 97 Resp: 2580049
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 51.6 40.6 60.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

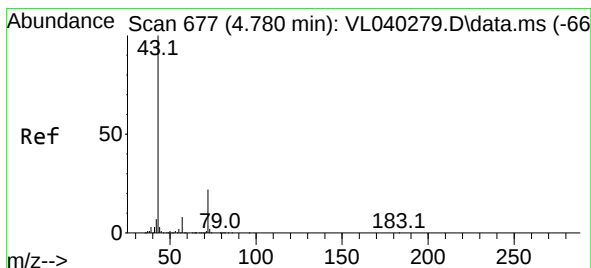
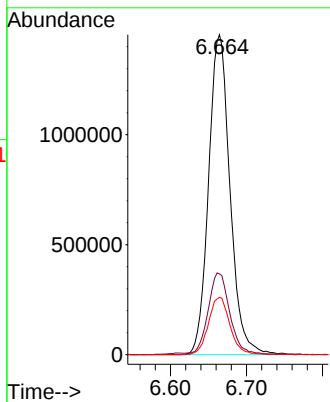
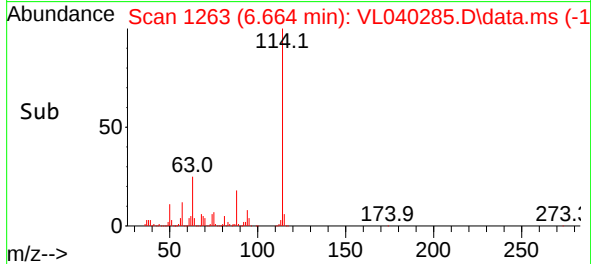
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:114 Resp: 284257
Ion Ratio Lower Upper
114 100
63 26.4 20.4 30.6
88 18.1 14.3 21.5

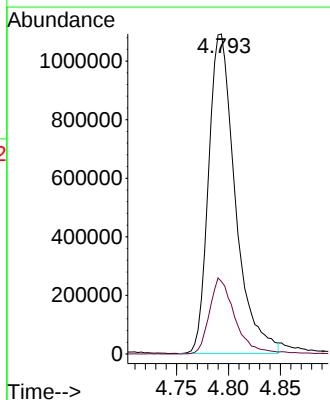
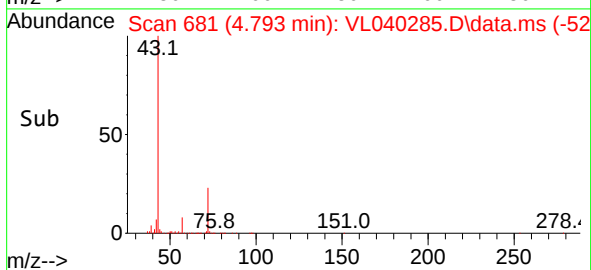
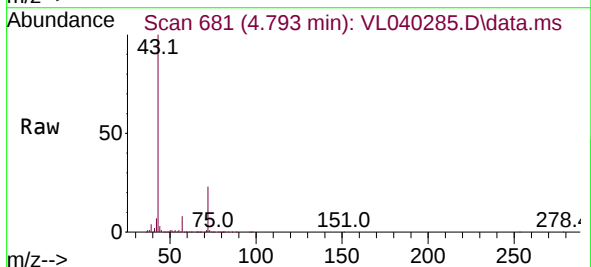
Manual Integrations
APPROVED

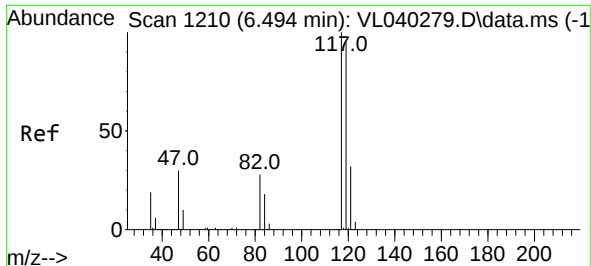
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#34
2-Butanone
Concen: 13.911 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.016 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

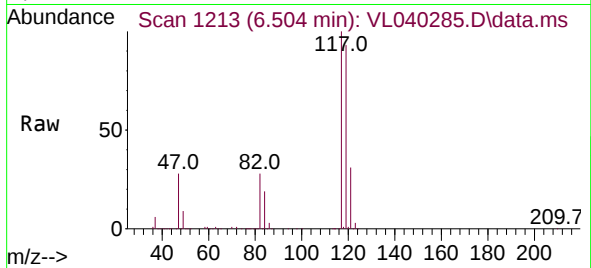
Tgt Ion: 43 Resp: 1950589
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.8





#35
Carbon Tetrachloride
Concen: 16.259 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

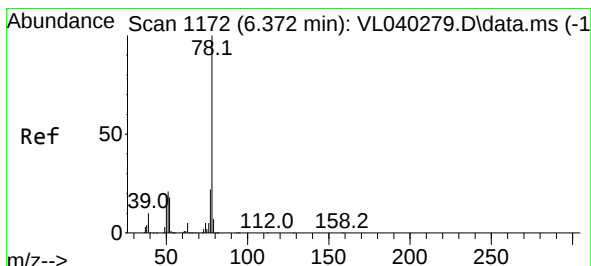
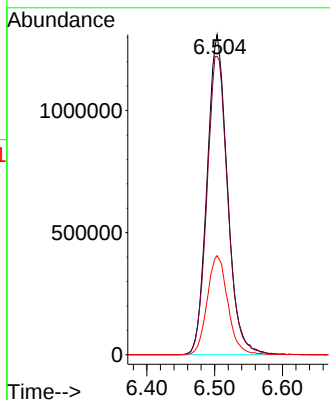
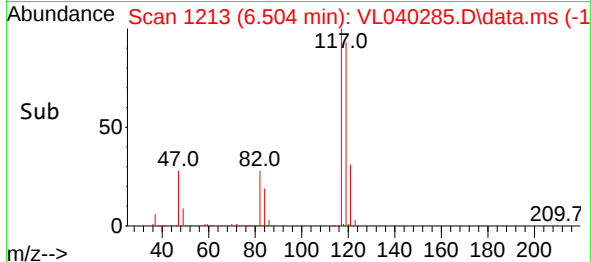
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



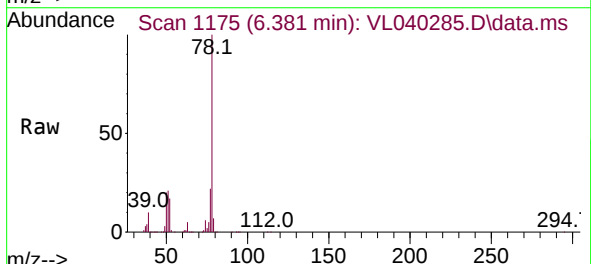
Tgt Ion: 117 Resp: 2732200
Ion Ratio Lower Upper
117 100
119 93.2 75.0 112.6
121 30.9 25.0 37.4

Manual Integrations
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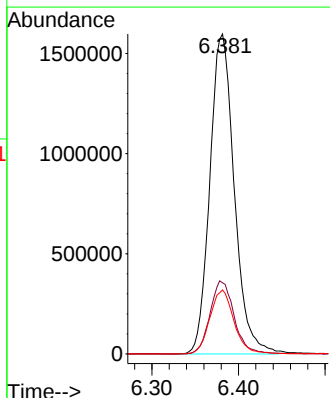
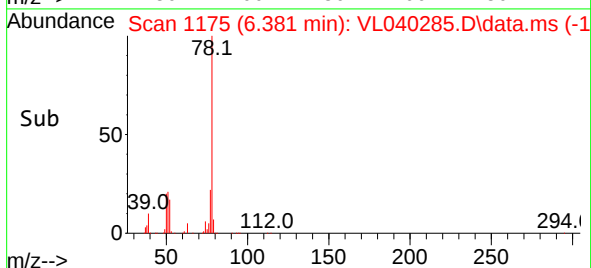
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

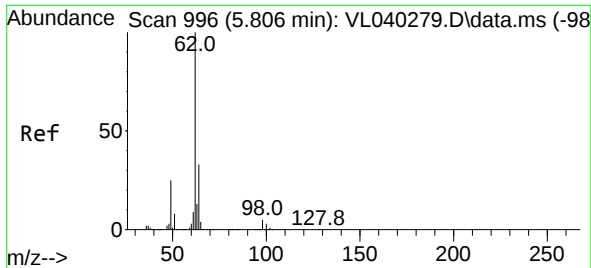


#36
Benzene
Concen: 14.145 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.013 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



Tgt Ion: 78 Resp: 3129077
Ion Ratio Lower Upper
78 100
77 22.2 17.5 26.3
50 20.0 14.6 22.0





#37

1,2-Dichloroethane

Concen: 14.588 ppbv

RT: 5.816 min Scan# 996

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 201828

Ion Ratio Lower Upper

62 100

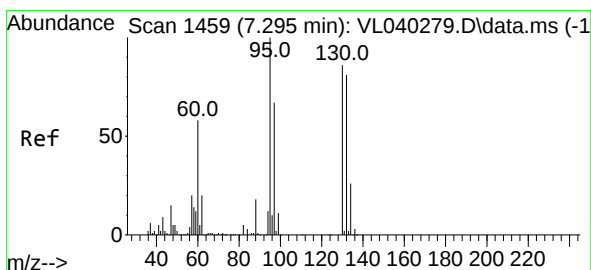
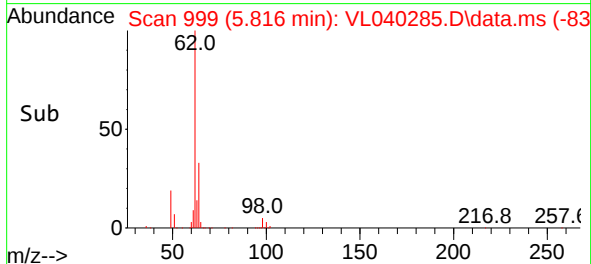
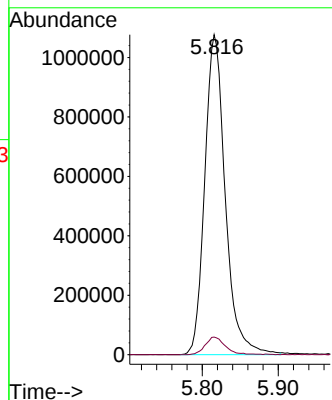
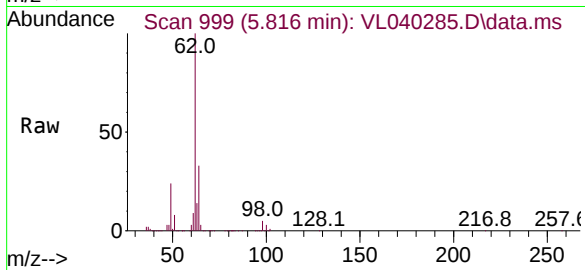
98 5.5 4.7 7.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#38

Trichloroethene

Concen: 15.920 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Tgt Ion:130 Resp: 1940611

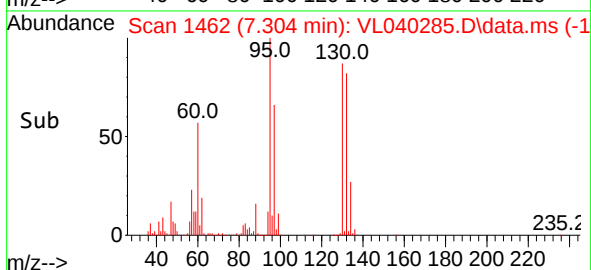
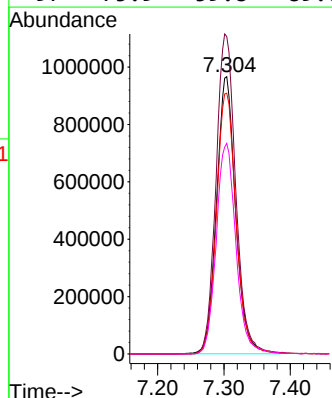
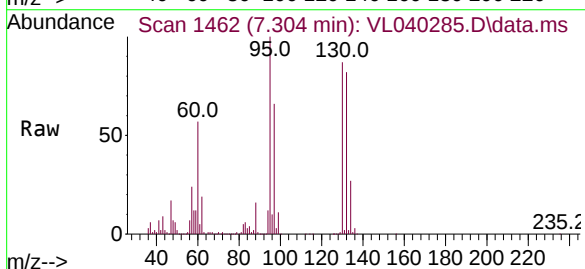
Ion Ratio Lower Upper

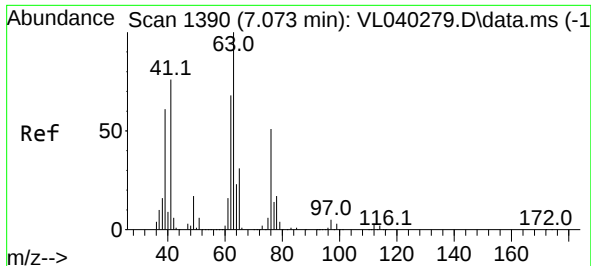
130 100

95 114.5 94.7 142.1

132 94.1 76.4 114.6

97 75.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 14.139 ppbv

RT: 7.086 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 121672

Ion Ratio Lower Upper

63 100

41 75.7 57.6 86.4

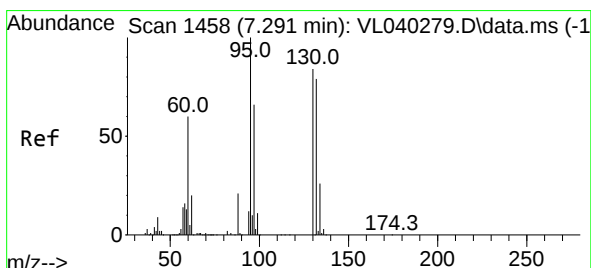
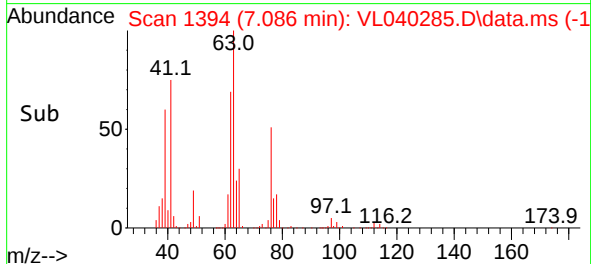
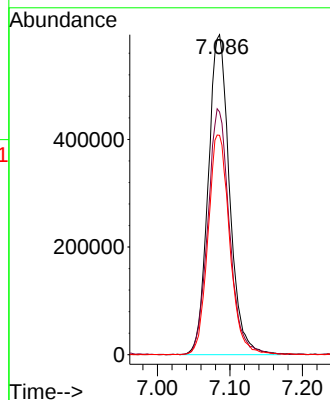
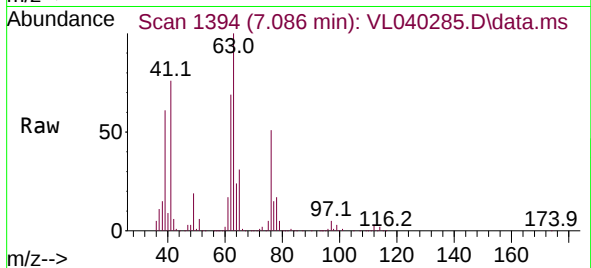
62 68.5 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#40

1,4-Dioxane

Concen: 13.607 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Tgt Ion: 88 Resp: 468420

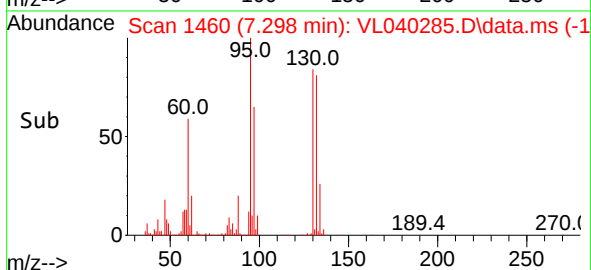
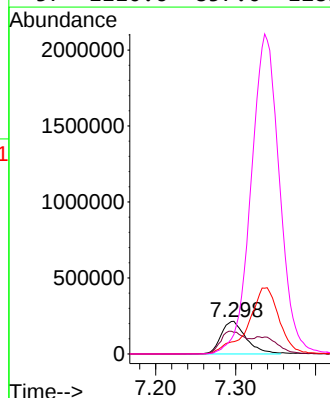
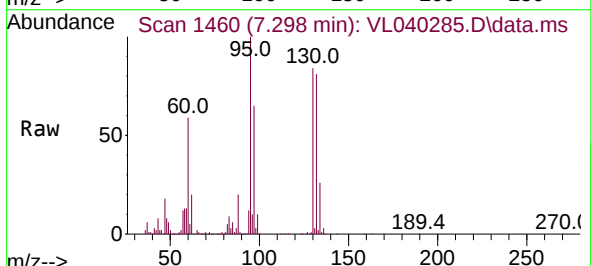
Ion Ratio Lower Upper

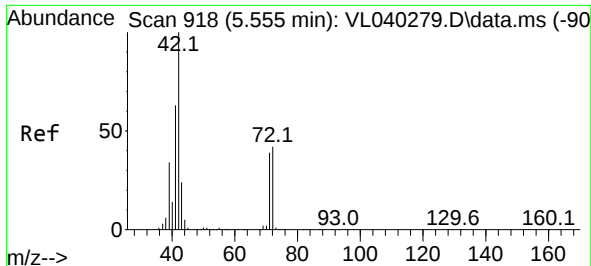
88 100

58 121.9 97.4 146.0

43 251.5 193.5 290.3

57 1110.6 857.0 1285.6





#41

Tetrahydrofuran

Concen: 14.740 ppbv

RT: 5.562 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 119776

Ion Ratio Lower Upper

42 100

72 40.9 33.0 49.4

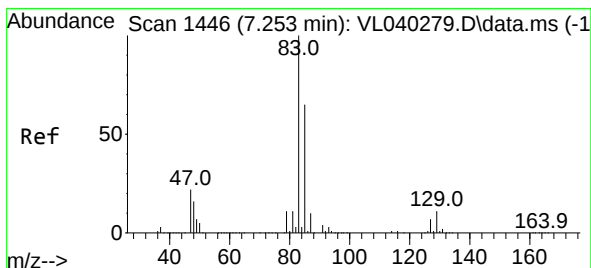
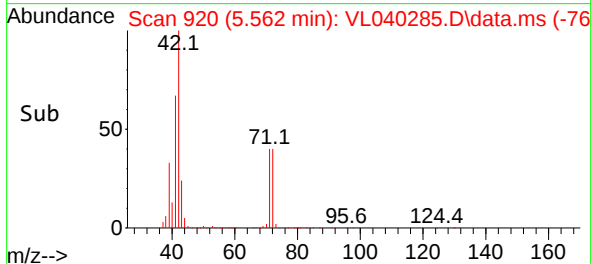
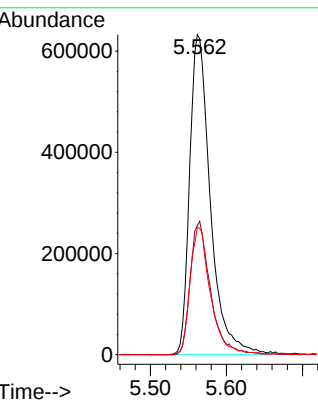
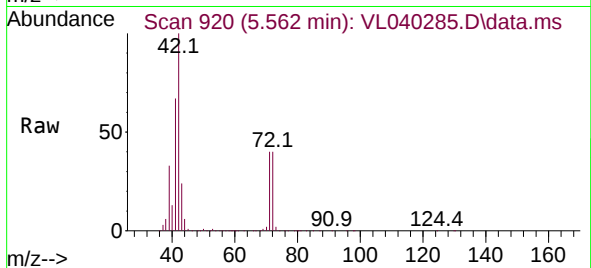
71 39.6 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#42

Bromodichloromethane

Concen: 15.077 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

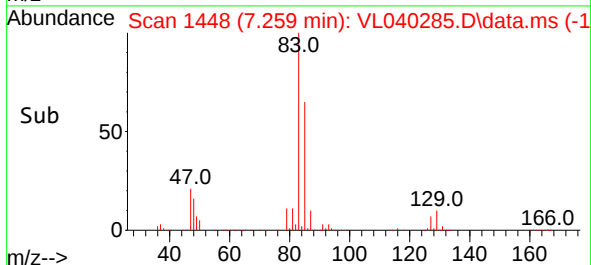
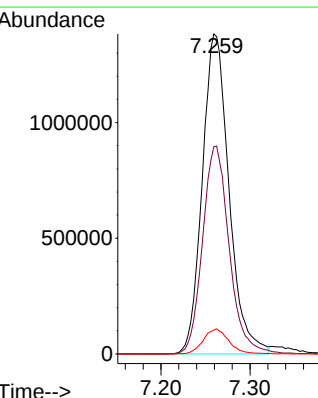
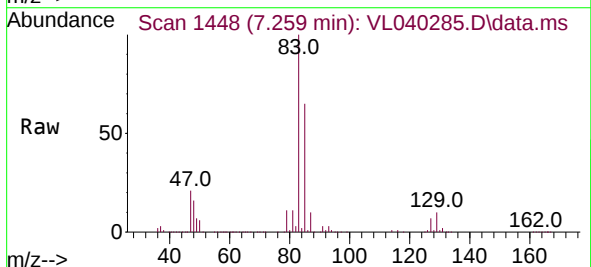
Tgt Ion: 83 Resp: 2879245

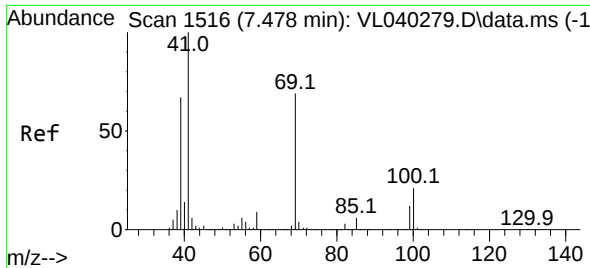
Ion Ratio Lower Upper

83 100

85 64.8 50.9 76.3

127 7.4 6.2 9.2





#43
Methyl Methacrylate
Concen: 15.904 ppbv
RT: 7.484 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

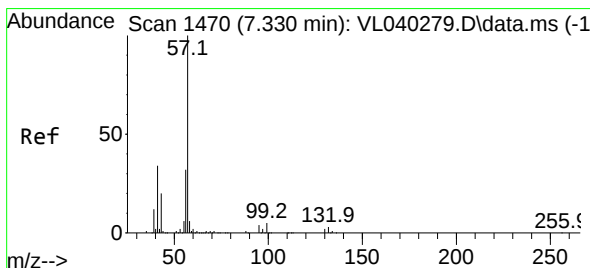
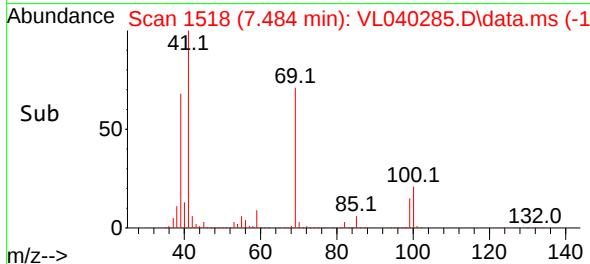
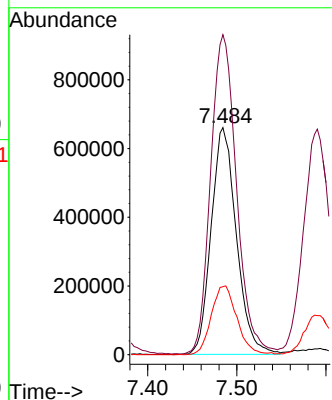
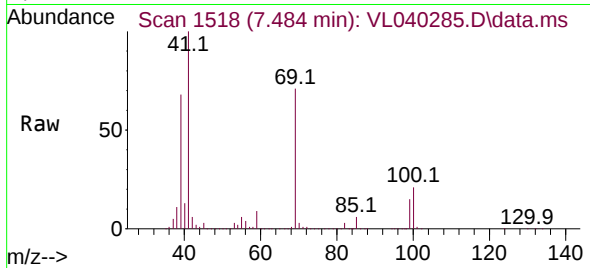
VSTDIC015

Tgt Ion: 69 Resp: 130177
Ion Ratio Lower Upper
69 100
41 145.1 116.6 174.8
100 30.9 25.6 38.4

Manual Integrations

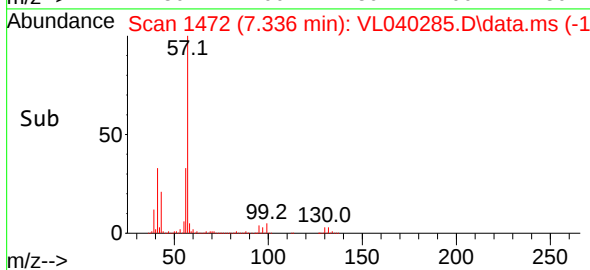
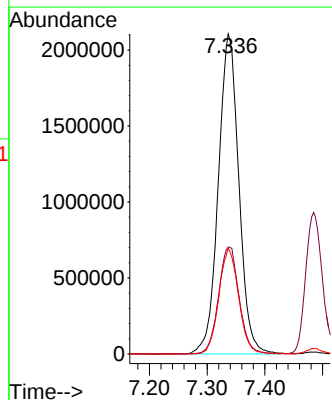
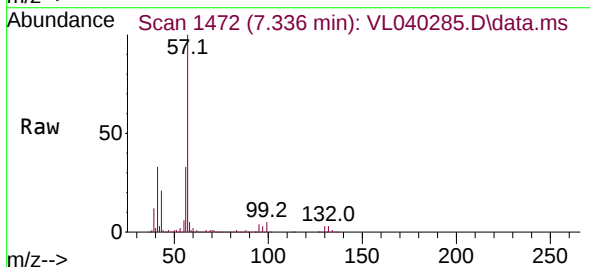
APPROVED

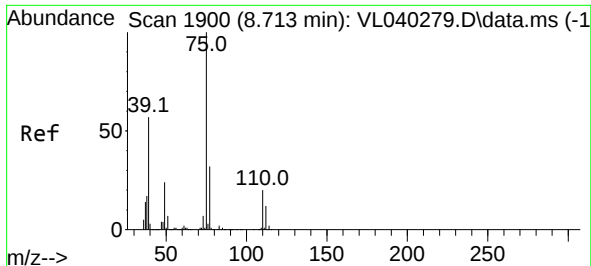
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#44
2,2,4-Trimethylpentane
Concen: 14.076 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 57 Resp: 5197726
Ion Ratio Lower Upper
57 100
41 33.5 26.2 39.4
56 31.7 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 18.175 ppbv

RT: 8.722 min Scan# 1900

Delta R.T. 0.010 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 131963

Ion Ratio Lower Upper

75 100

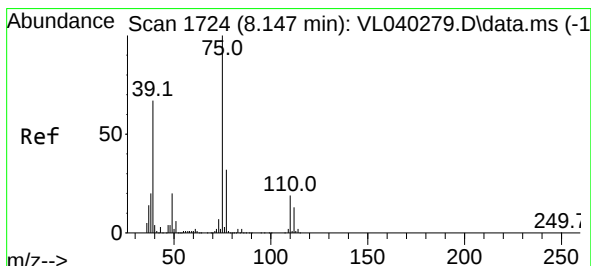
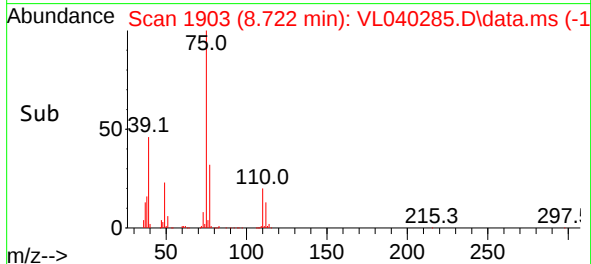
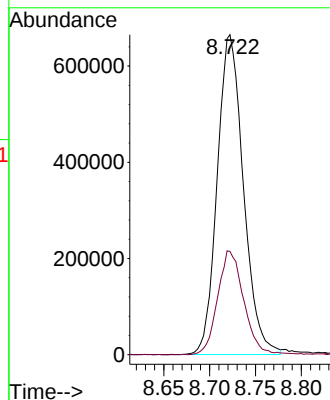
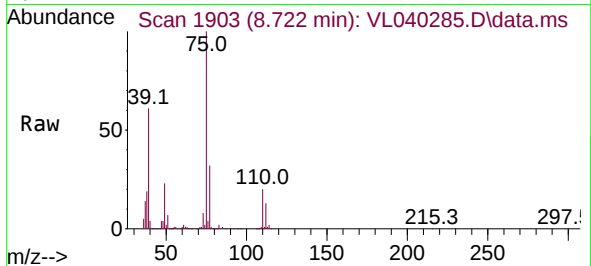
77 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#46

cis-1,3-Dichloropropene

Concen: 17.154 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.013 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

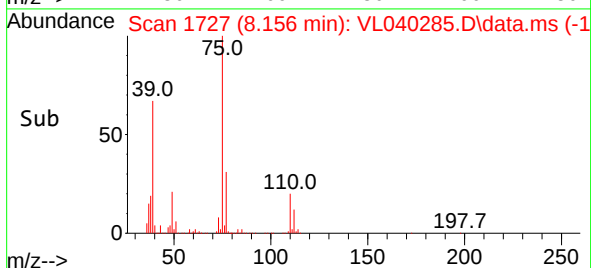
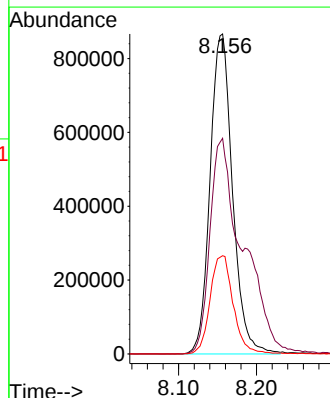
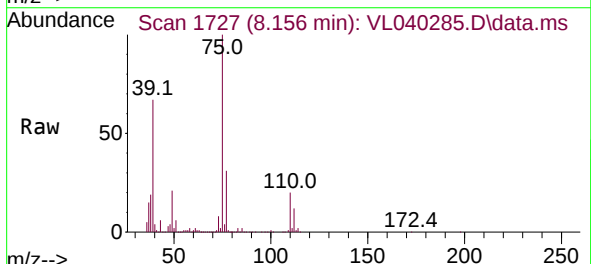
Tgt Ion: 75 Resp: 1735243

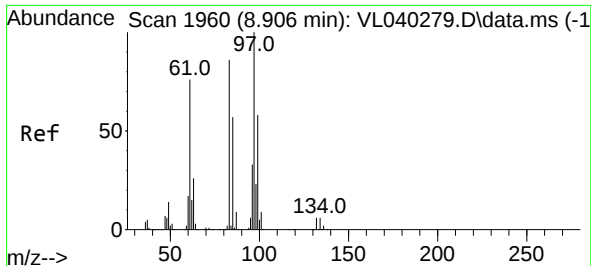
Ion Ratio Lower Upper

75 100

39 67.4 54.2 81.2

77 30.7 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 14.445 ppbv

RT: 8.912 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 134451

Ion Ratio Lower Upper

97 100

83 90.4 72.8 109.2

85 59.7 46.6 69.8

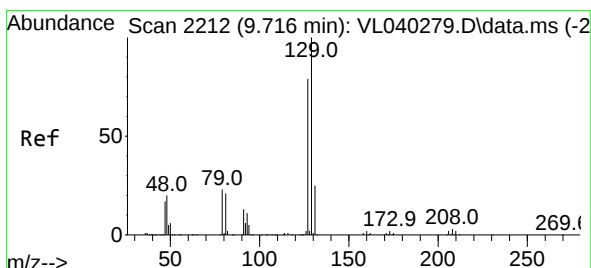
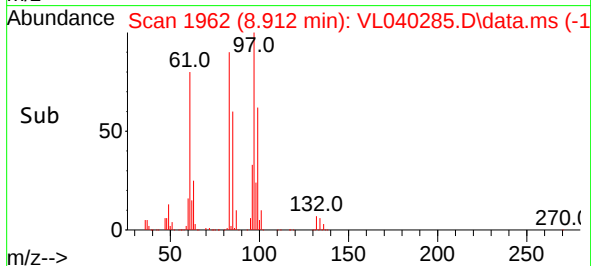
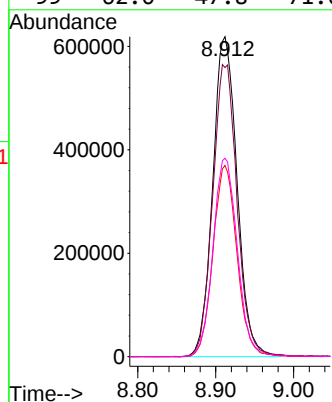
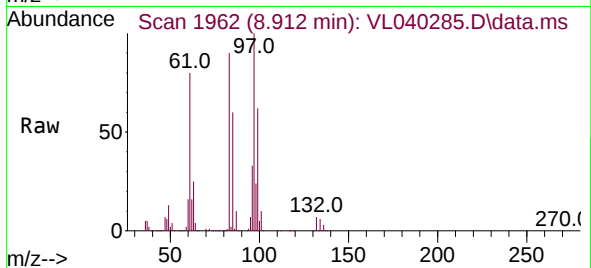
99 62.0 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#48

Dibromochloromethane

Concen: 15.971 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. 0.006 min

Lab File: VL040285.D

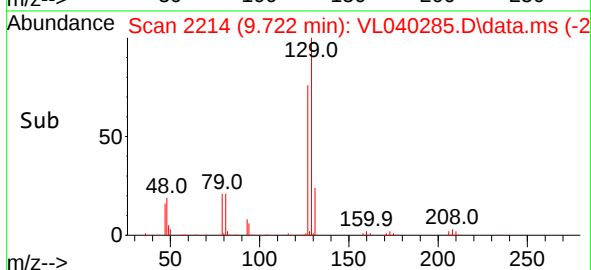
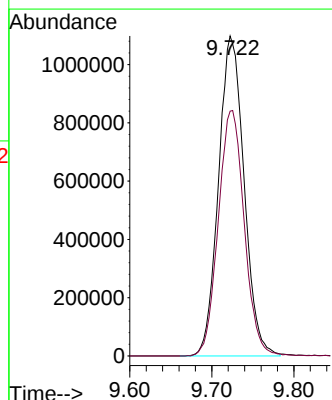
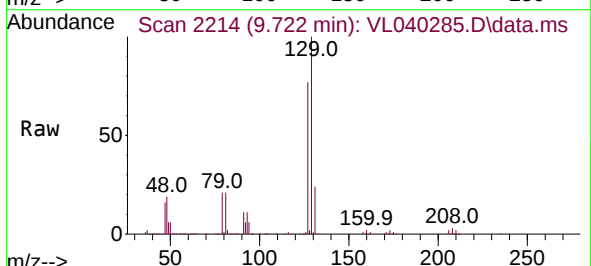
Acq: 15 Mar 2023 15:25

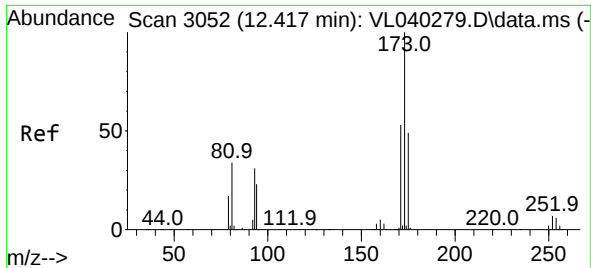
Tgt Ion:129 Resp: 2377610

Ion Ratio Lower Upper

129 100

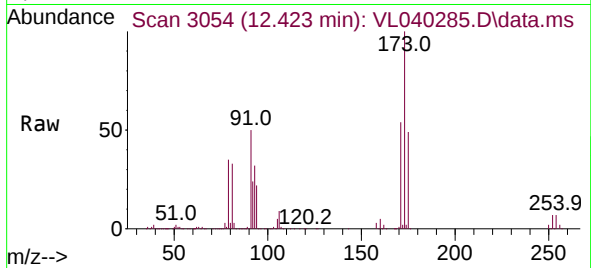
127 78.0 39.1 117.2





#49
Bromoform
Concen: 16.086 ppbv
RT: 12.423 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

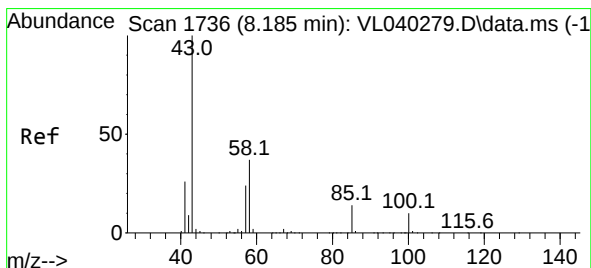
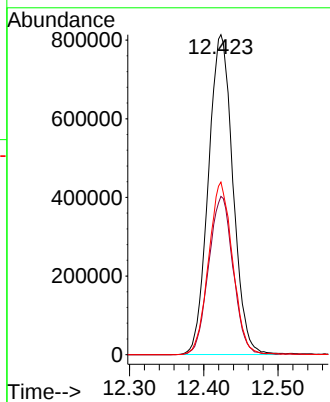
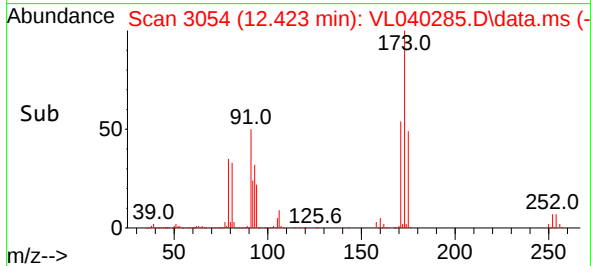
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 173 Resp: 1869178
Ion Ratio Lower Upper
173 100
175 49.6 39.4 59.0
171 53.0 41.8 62.6

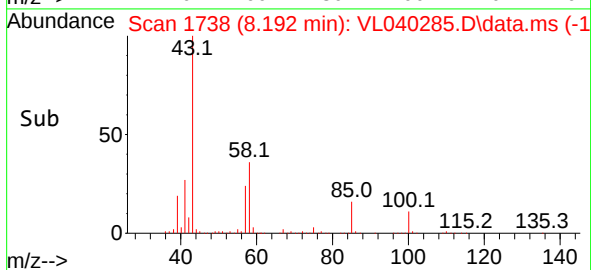
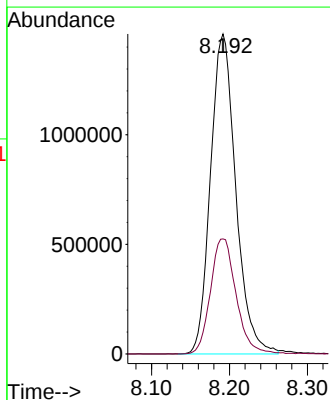
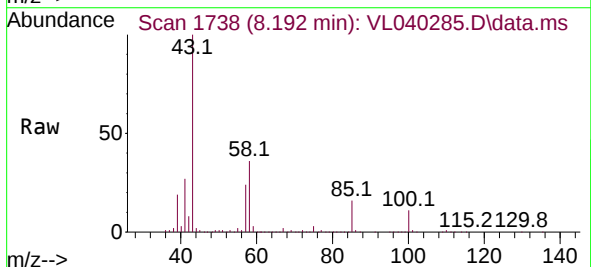
Manual Integrations
APPROVED

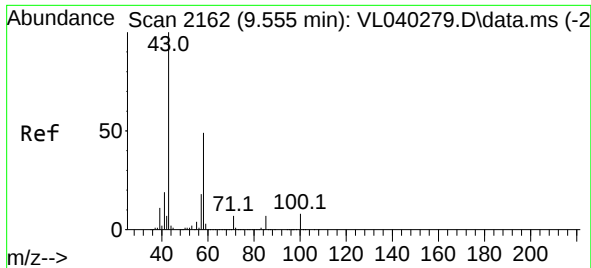
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#50
4-Methyl-2-Pentanone
Concen: 15.118 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

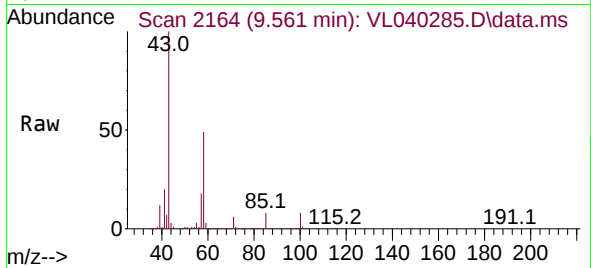
Tgt Ion: 43 Resp: 3291460
Ion Ratio Lower Upper
43 100
58 36.7 29.2 43.8





#51
2-Hexanone
Concen: 15.648 ppbv
RT: 9.561 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

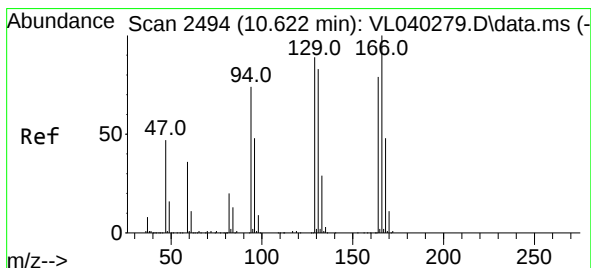
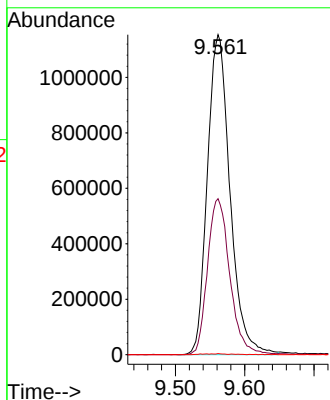
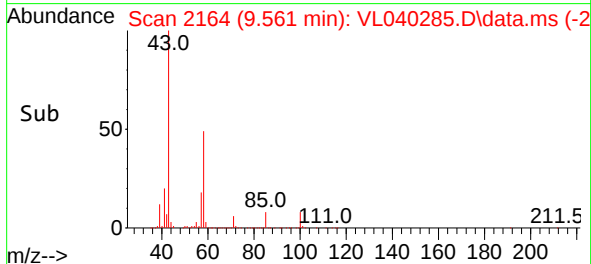
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 262092
Ion Ratio Lower Upper
43 100
58 48.4 39.1 58.7
98 0.4 0.2 0.4

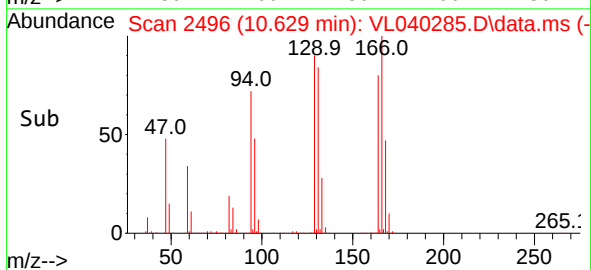
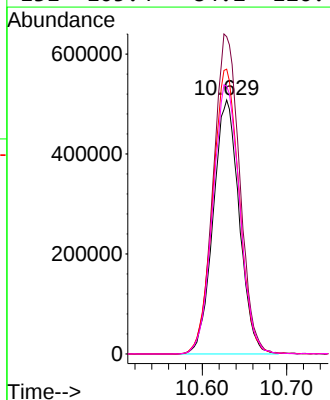
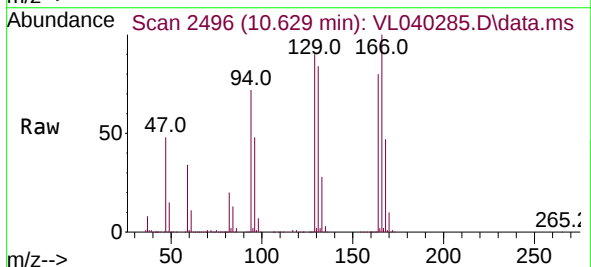
Manual Integrations
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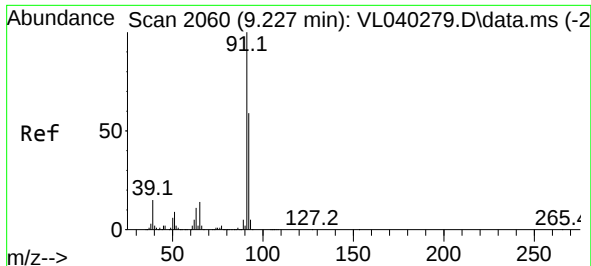
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#52
Tetrachloroethene
Concen: 15.787 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

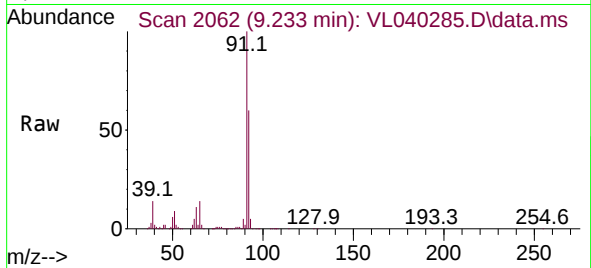
Tgt Ion:164 Resp: 1090516
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 112.2 89.0 133.4
131 105.4 84.2 126.4





#53
Toluene
Concen: 15.452 ppbv
RT: 9.233 min Scan# 2060
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

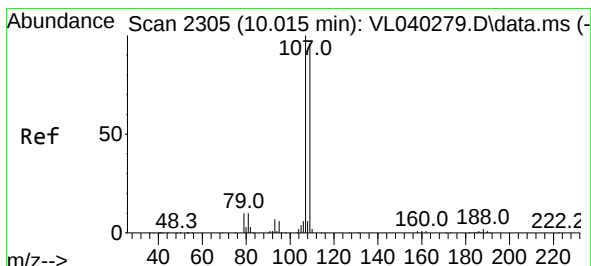
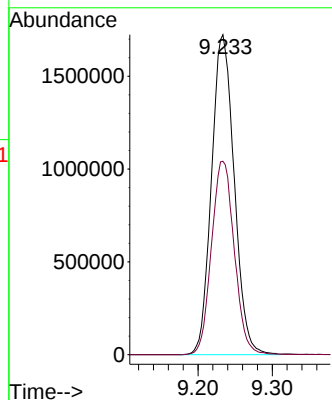
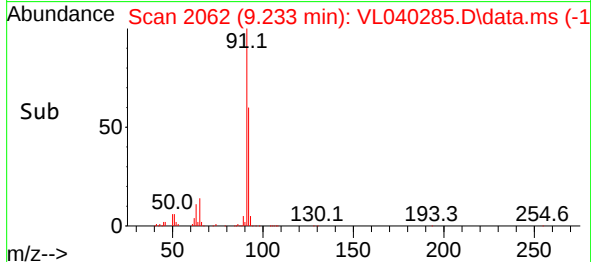
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



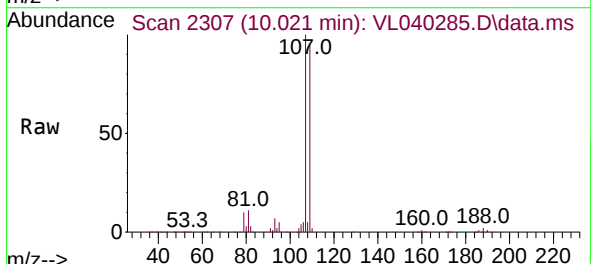
Tgt Ion: 91 Resp: 3661124
Ion Ratio Lower Upper
91 100
92 60.9 48.9 73.3

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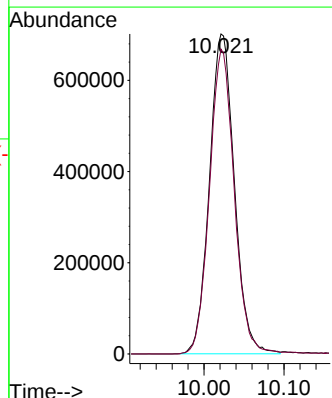
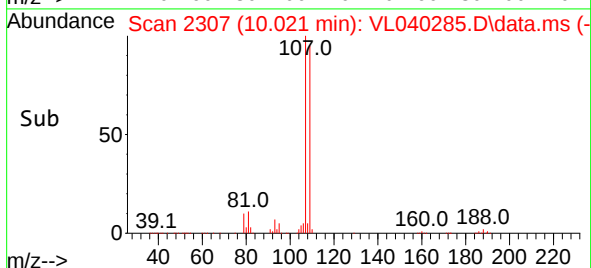
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

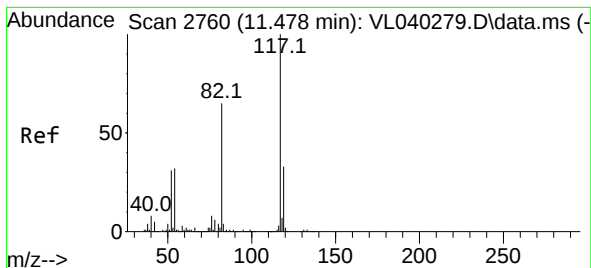


#54
1,2-Dibromoethane
Concen: 15.693 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



Tgt Ion:107 Resp: 1519761
Ion Ratio Lower Upper
107 100
109 95.2 73.8 110.8





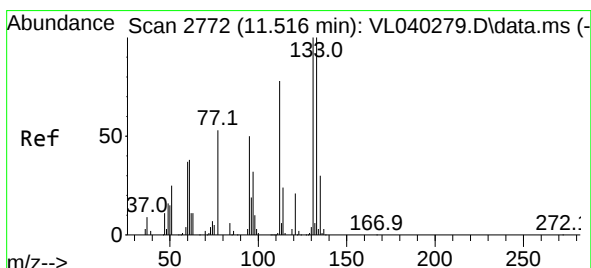
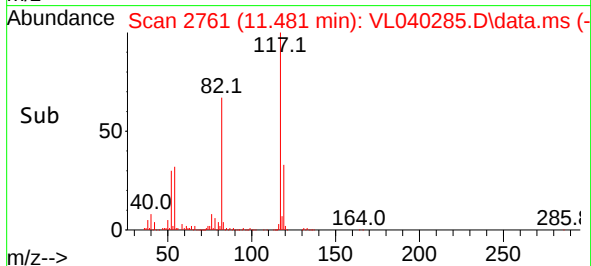
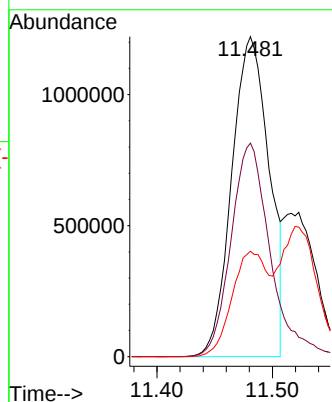
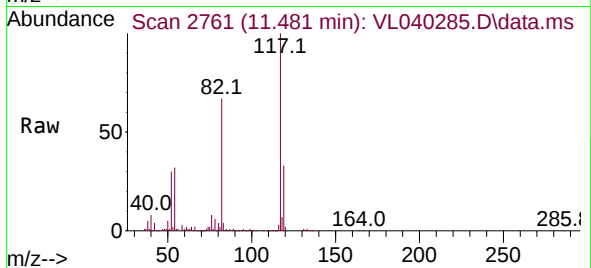
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 274270
Ion Ratio Lower Upper
117 100
82 70.6 53.3 79.9
119 32.4 24.6 37.0

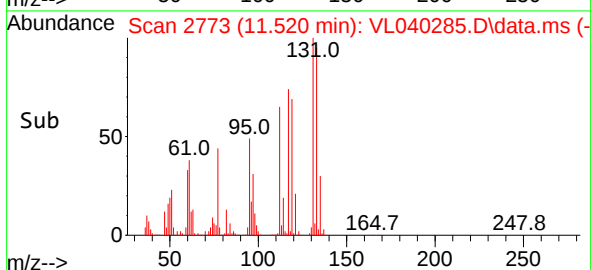
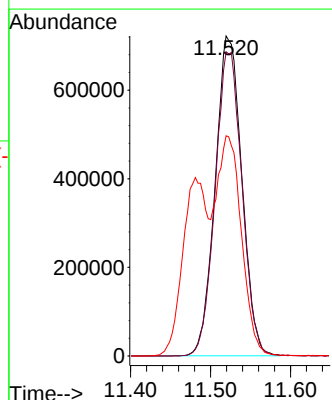
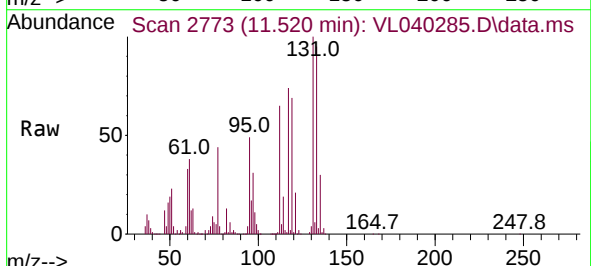
Manual Integrations
APPROVED

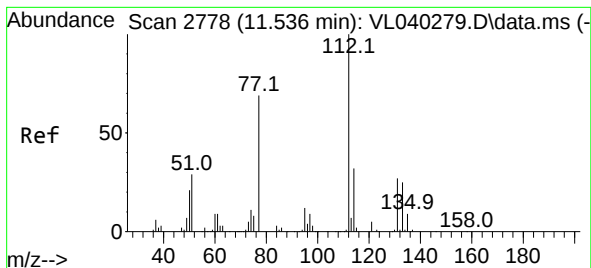
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 14.488 ppbv
RT: 11.520 min Scan# 2773
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

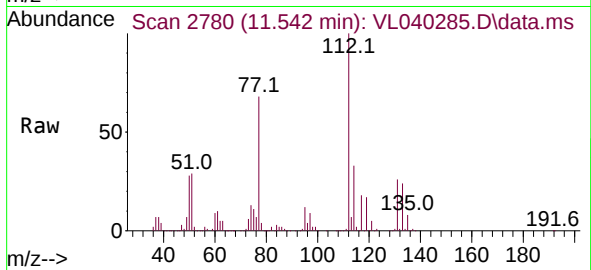
Tgt Ion:131 Resp: 1667946
Ion Ratio Lower Upper
131 100
133 96.0 76.2 114.2
119 72.4 45.4 68.0#





#57
Chlorobenzene
Concen: 14.179 ppbv
RT: 11.542 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

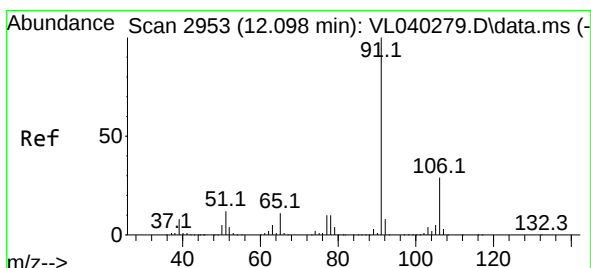
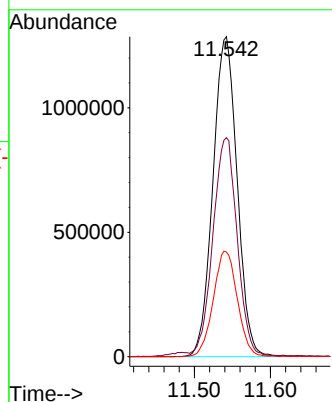
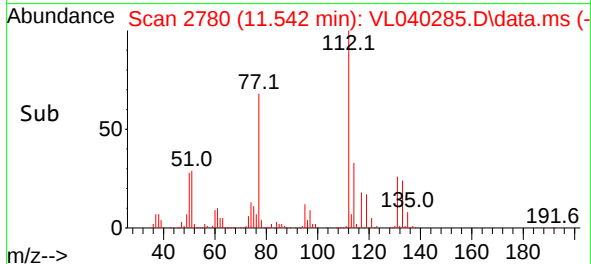
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 2841220
Ion Ratio Lower Upper
112 100
77 68.3 55.0 82.4
114 32.7 29.0 35.4

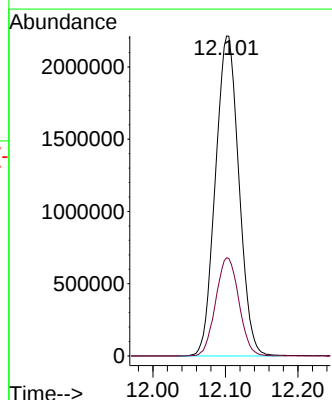
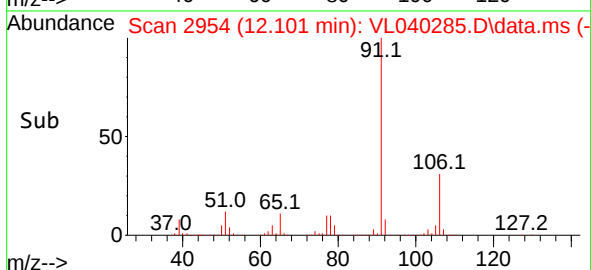
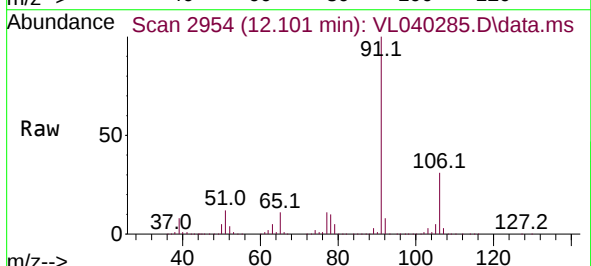
Manual Integrations
APPROVED

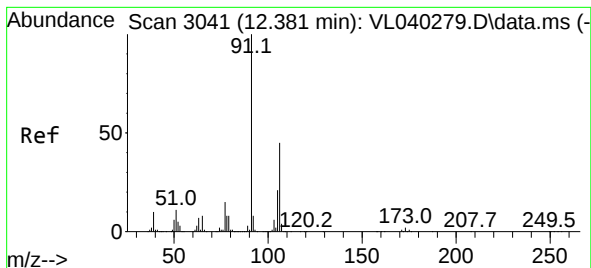
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#58
Ethyl Benzene
Concen: 14.950 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 91 Resp: 4982104
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3





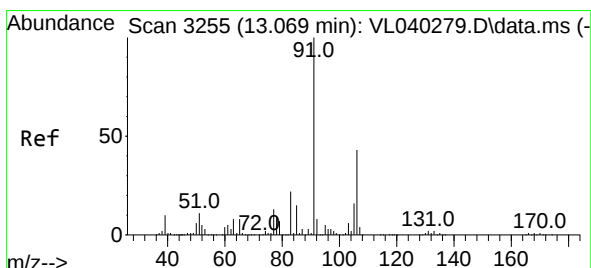
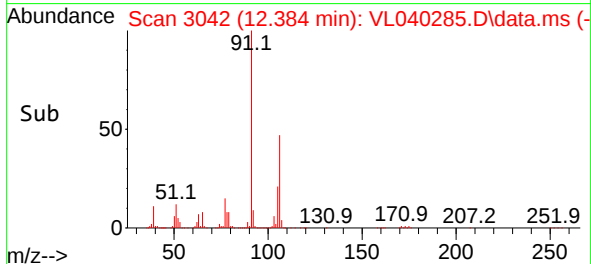
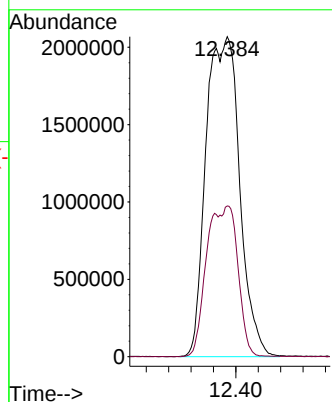
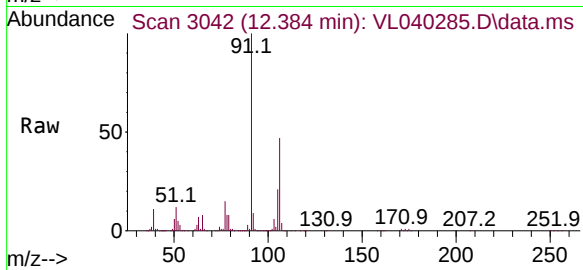
#59
m/p-Xylene
Concen: 29.213 ppbv m
RT: 12.384 min Scan# 3041
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 862243
Ion Ratio Lower Upper
91 100
106 43.9 34.6 51.8

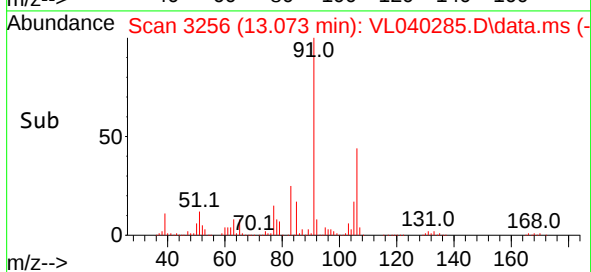
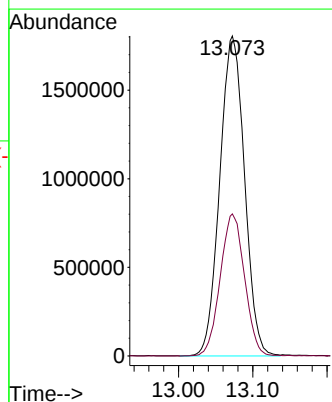
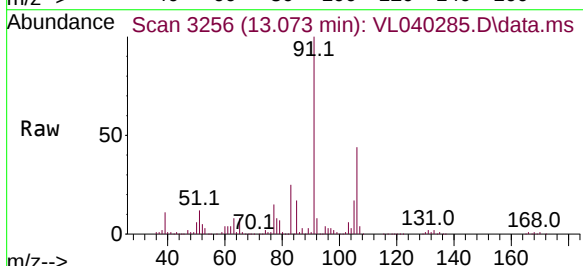
Manual Integrations
APPROVED

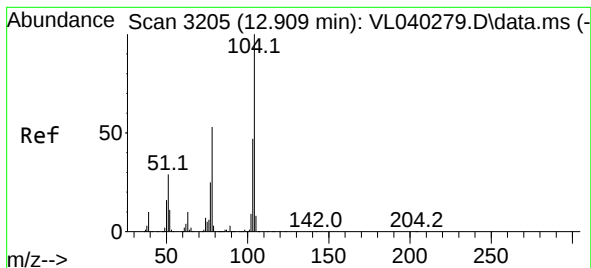
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#60
o-Xylene
Concen: 14.732 ppbv
RT: 13.073 min Scan# 3256
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion: 91 Resp: 4183939
Ion Ratio Lower Upper
91 100
106 43.8 21.6 65.0





#61

Styrene

Concen: 16.444 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:104 Resp: 245190

Ion Ratio Lower Upper

104 100

78 53.0 42.3 63.5

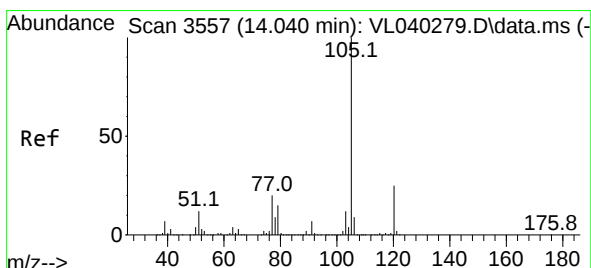
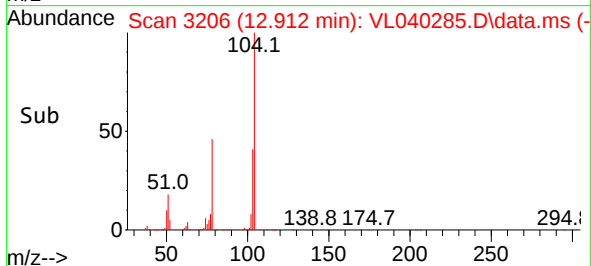
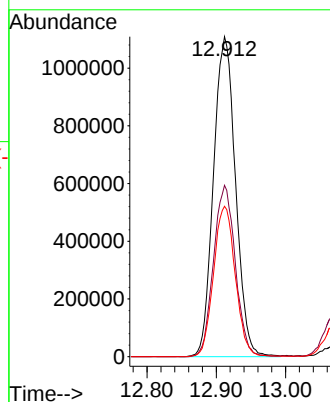
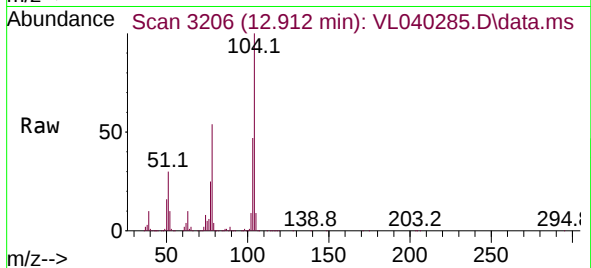
103 46.5 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#62

Isopropylbenzene

Concen: 14.080 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL040285.D

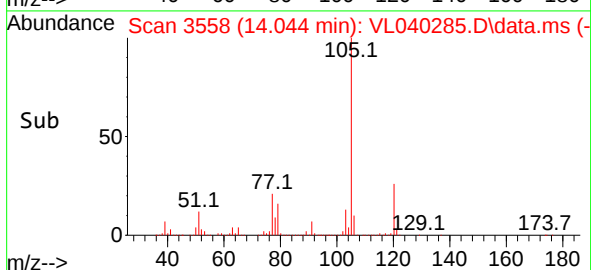
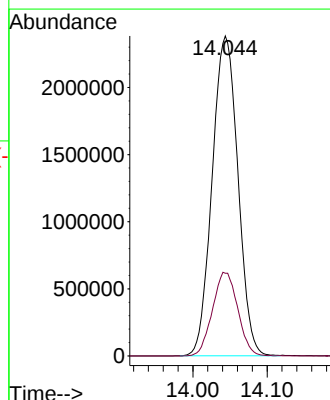
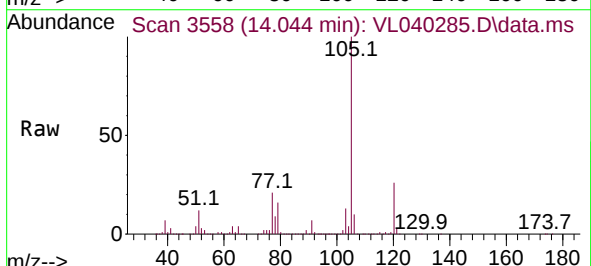
Acq: 15 Mar 2023 15:25

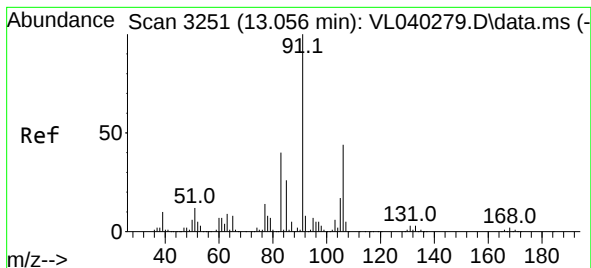
Tgt Ion:105 Resp: 5739718

Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5





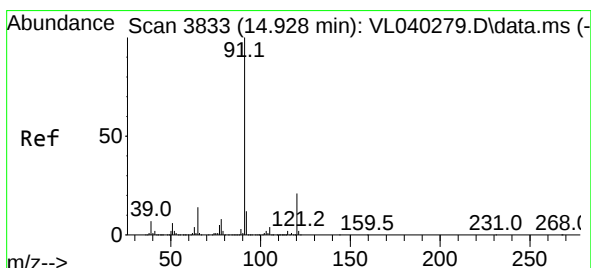
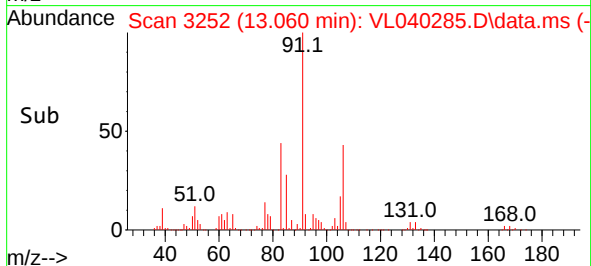
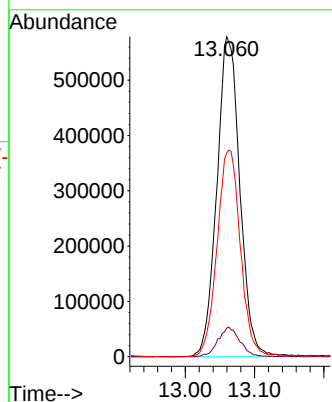
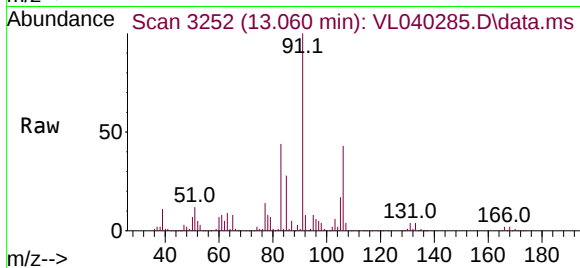
#63
1,1,2,2-Tetrachloroethane
Concen: 13.039 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 83 Resp: 1334434
Ion Ratio Lower Upper
83 100
131 8.9 4.4 13.2
85 66.1 33.0 99.0

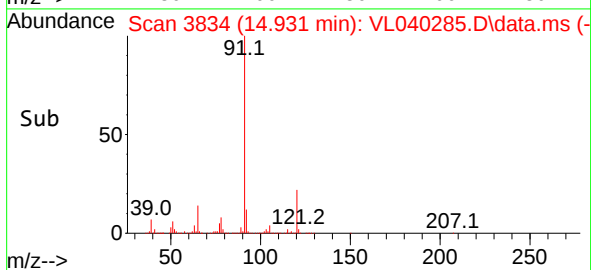
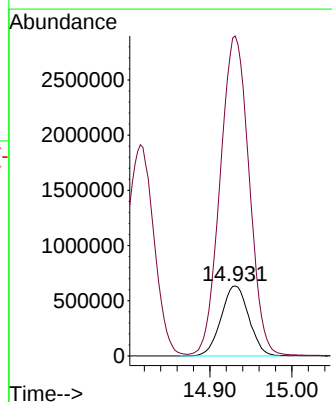
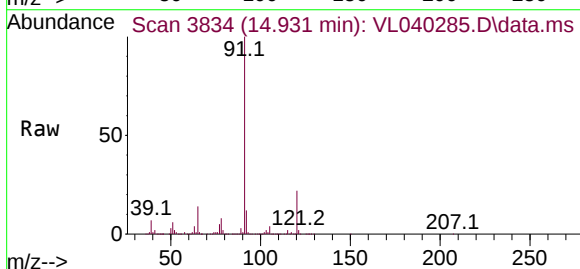
Manual Integrations
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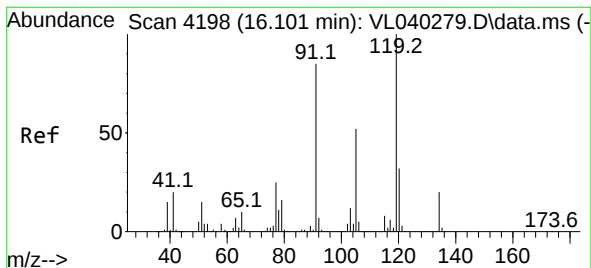
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#64
n-propylbenzene
Concen: 14.797 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion:120 Resp: 1492957
Ion Ratio Lower Upper
120 100
91 478.6 389.8 584.8





#65

tert-Butylbenzene

Concen: 13.984 ppbv

RT: 16.105 min Scan# 4198

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 495539

Ion Ratio Lower Upper

119 100

91 86.1 68.6 102.8

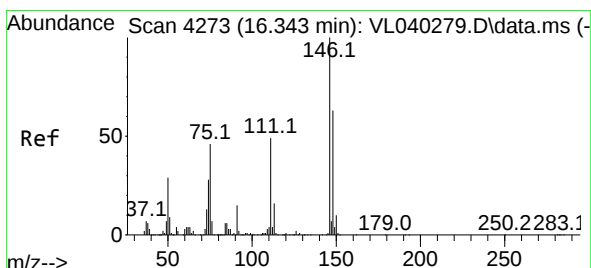
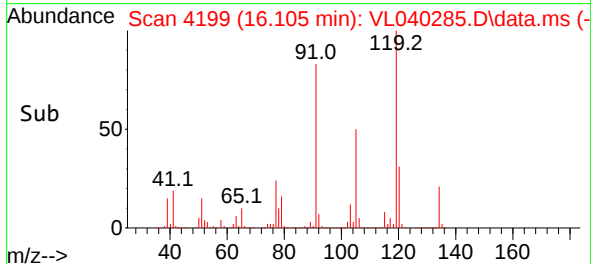
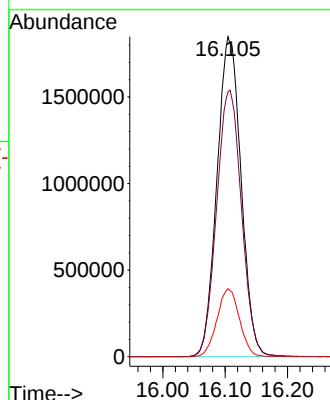
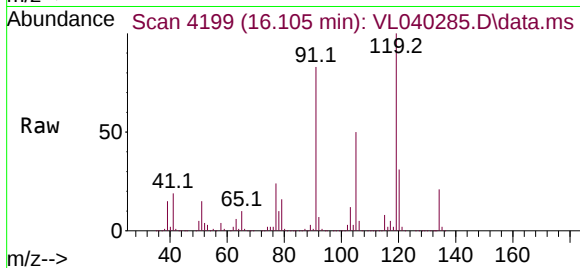
134 19.9 15.9 23.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#66

Benzyl Chloride

Concen: 15.867 ppbv

RT: 16.342 min Scan# 4273

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

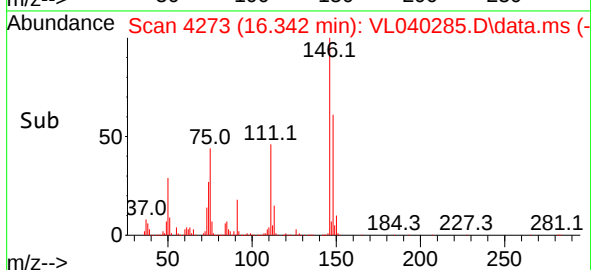
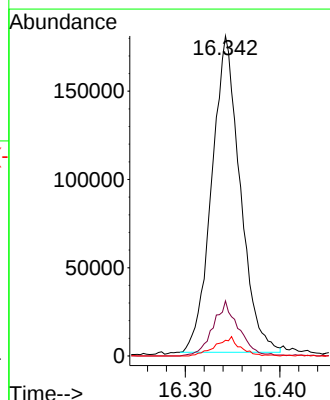
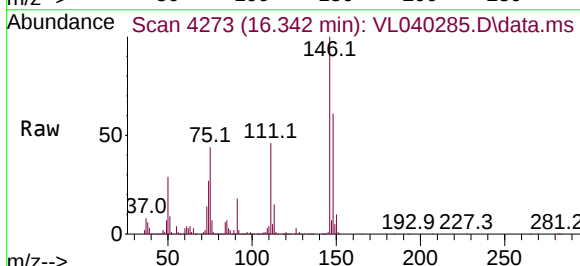
Tgt Ion: 91 Resp: 374144

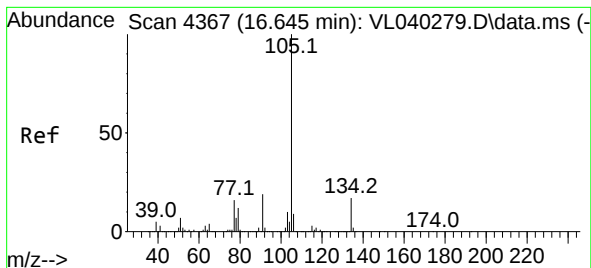
Ion Ratio Lower Upper

91 100

126 15.9 13.1 19.7

128 5.4 4.1 6.1





#67

sec-Butylbenzene

Concen: 13.632 ppbv

RT: 16.651 min Scan# 4369

Delta R.T. 0.003 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 692783

Ion Ratio Lower Upper

105 100

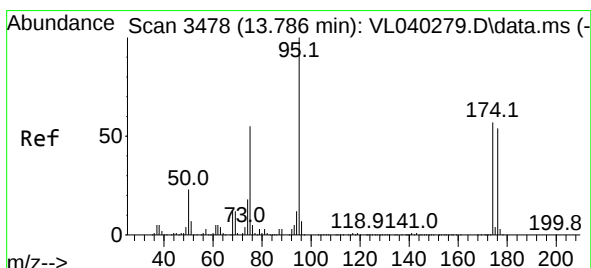
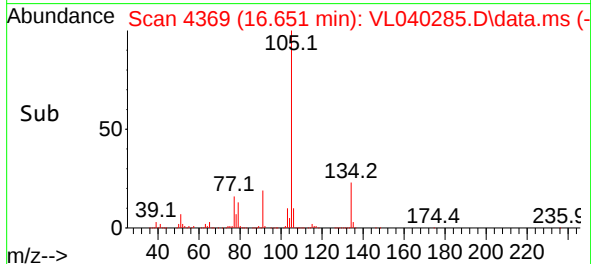
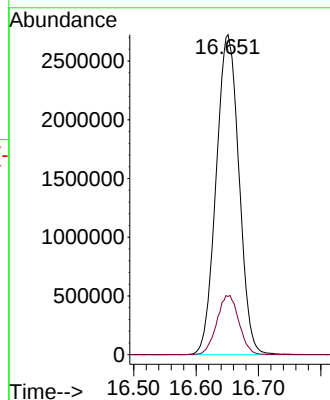
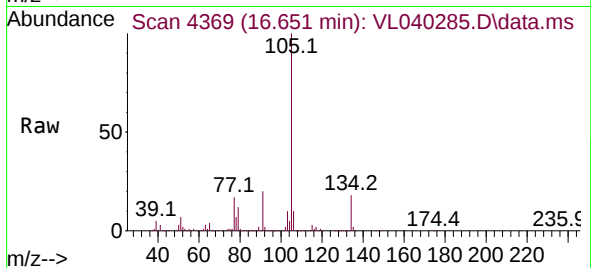
134 18.0 14.1 21.1

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Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.686 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. 0.006 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

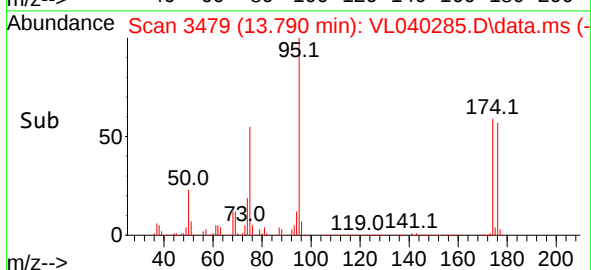
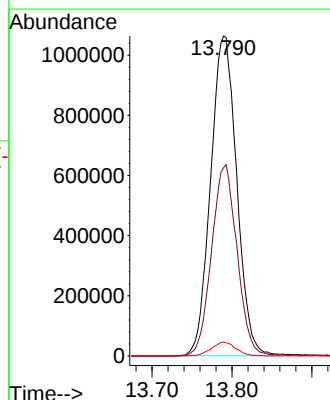
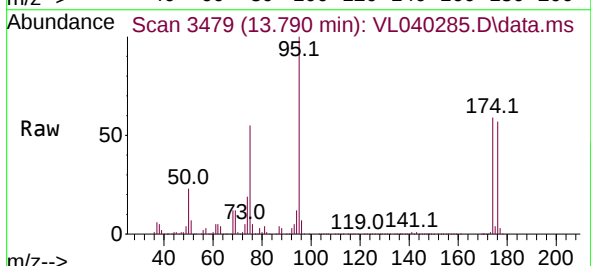
Tgt Ion: 95 Resp: 2410031

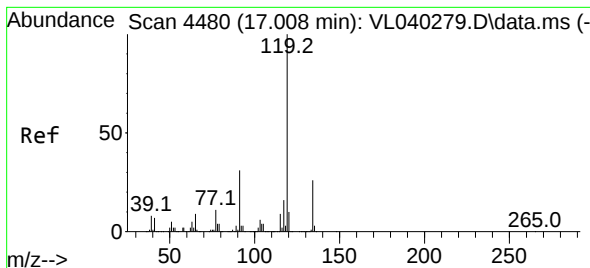
Ion Ratio Lower Upper

95 100

174 58.5 48.2 72.2

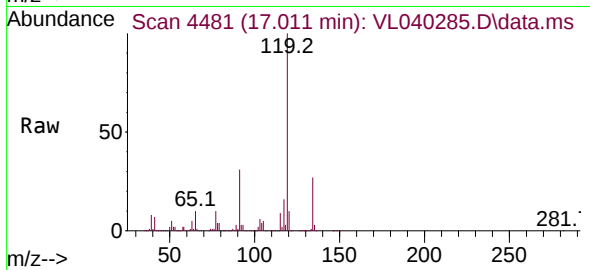
175 4.1 3.4 5.2





#69
p-Isopropyltoluene
Concen: 13.886 ppbv
RT: 17.011 min Scan# 4480
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

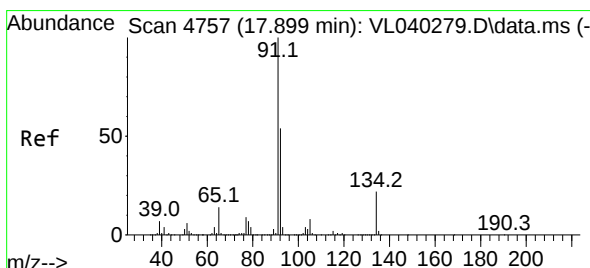
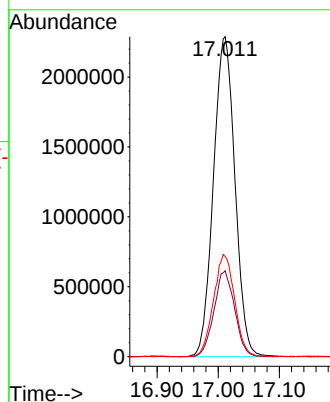
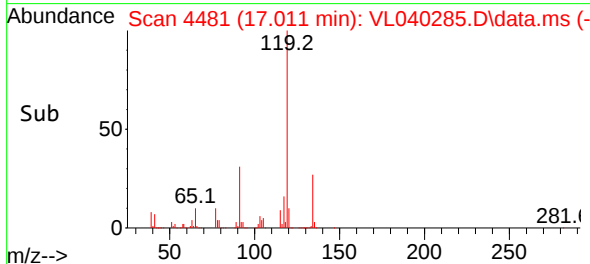
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



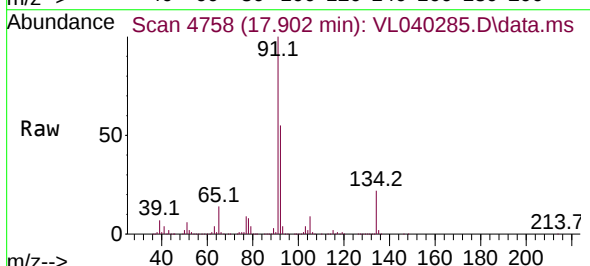
Tgt Ion:119 Resp: 559415
Ion Ratio Lower Upper
119 100
134 25.8 20.2 30.2
91 31.4 24.7 37.1

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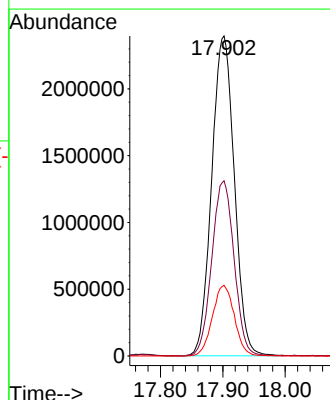
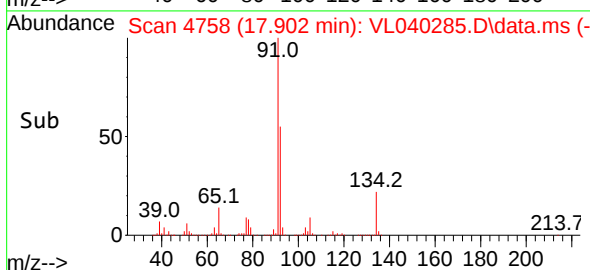
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

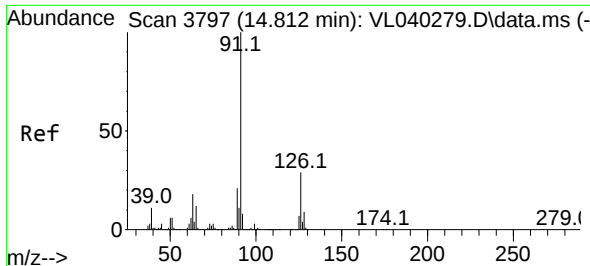


#70
n-Butylbenzene
Concen: 13.793 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



Tgt Ion: 91 Resp: 6031417
Ion Ratio Lower Upper
91 100
92 54.1 43.0 64.6
134 21.5 16.9 25.3





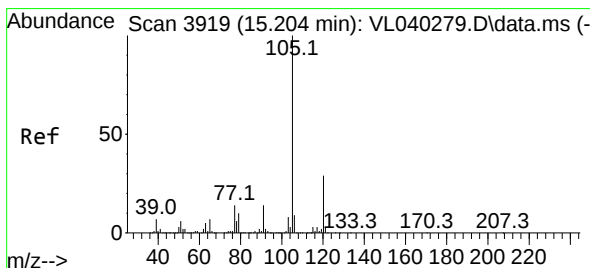
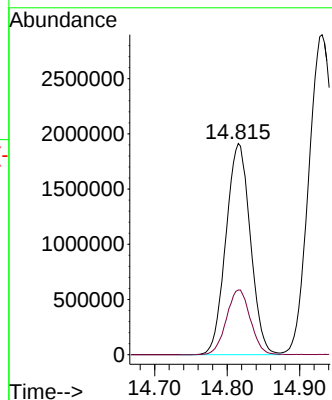
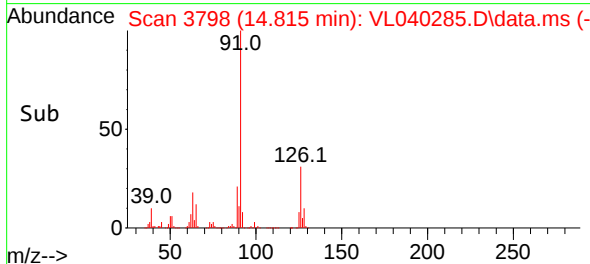
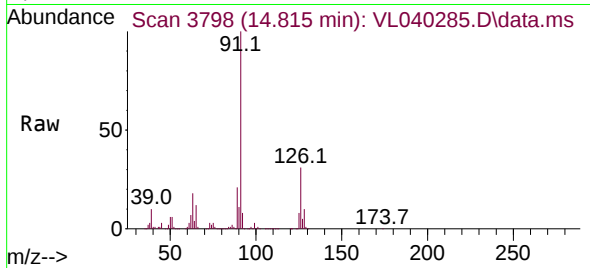
#71
2-Chlorotoluene
Concen: 14.346 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 447279
Ion Ratio Lower Upper
91 100
126 30.2 12.0 48.2

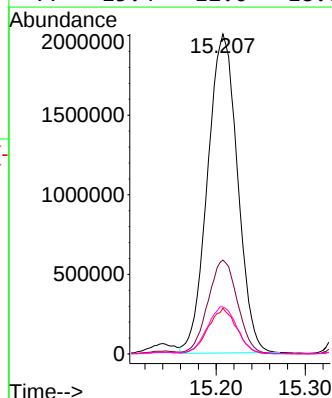
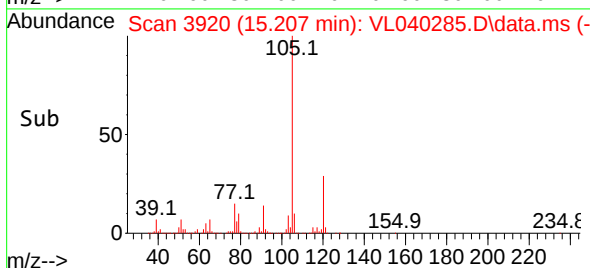
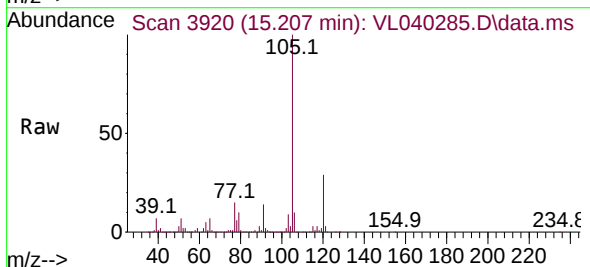
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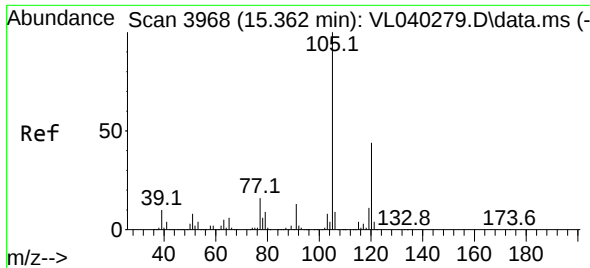
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#72
4-Ethyltoluene
Concen: 14.903 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion:105 Resp: 4678832
Ion Ratio Lower Upper
105 100
120 30.0 23.2 34.8
91 14.4 11.3 16.9
77 15.4 12.0 18.0





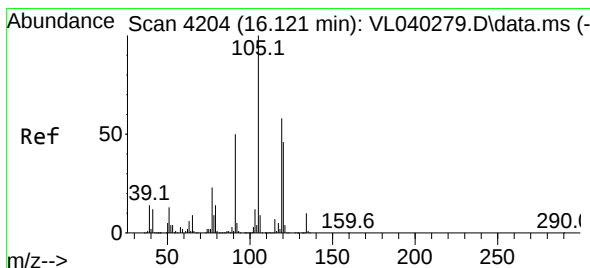
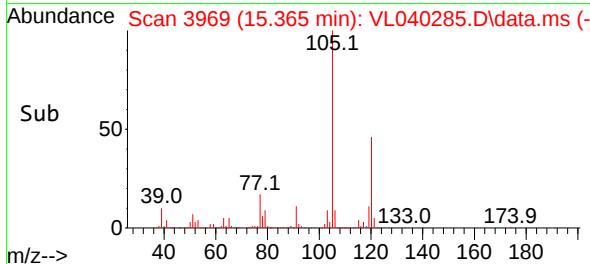
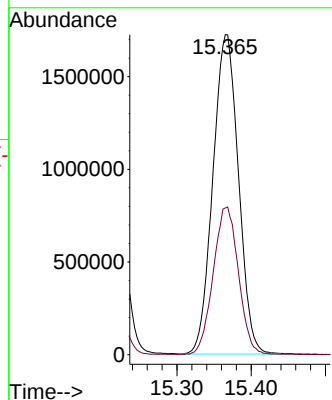
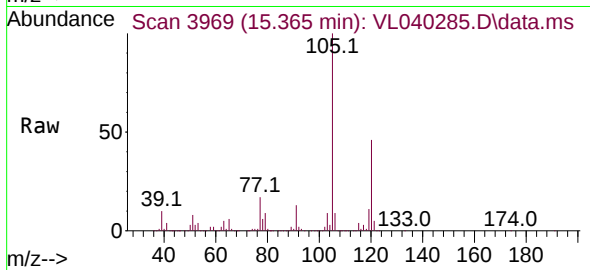
#73
1,3,5-Trimethylbenzene
Concen: 14.102 ppbv
RT: 15.365 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:105 Resp: 411967
Ion Ratio Lower Upper
105 100
120 45.8 36.8 55.2

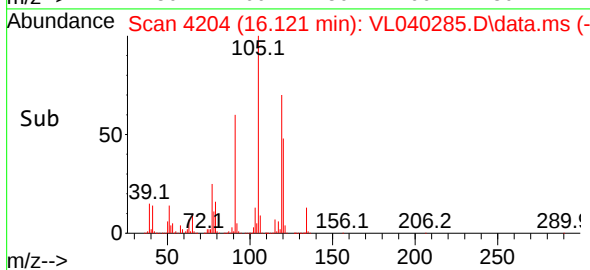
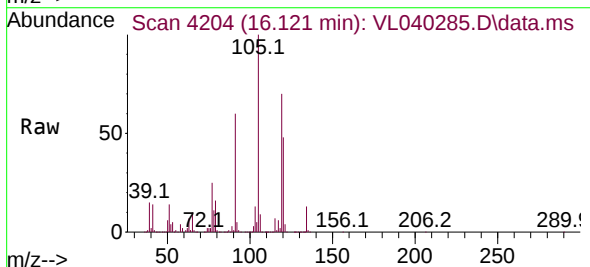
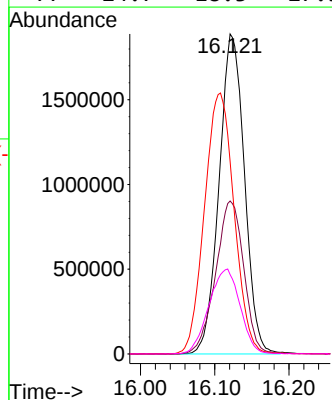
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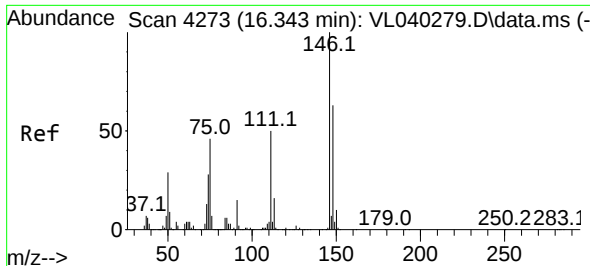
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#74
1,2,4-Trimethylbenzene
Concen: 13.946 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Tgt Ion:105 Resp: 4474955
Ion Ratio Lower Upper
105 100
120 47.7 37.9 56.9
91 59.9 43.7 65.5
77 24.7 18.3 27.5





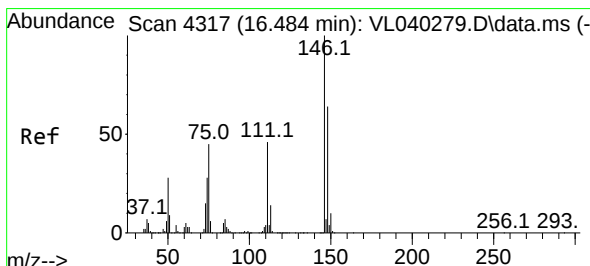
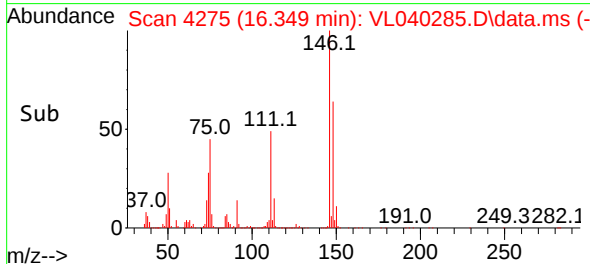
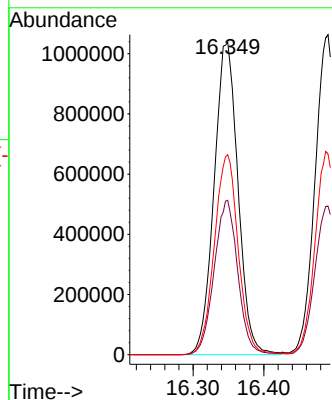
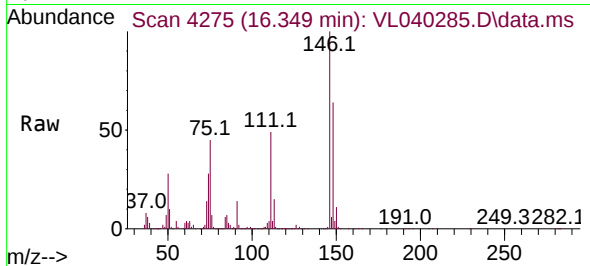
#75
1,3-Dichlorobenzene
Concen: 13.865 ppbv
RT: 16.349 min Scan# 4319
Delta R.T. 0.010 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:146 Resp: 243484
Ion Ratio Lower Upper
146 100
111 48.8 23.9 71.8
148 64.1 32.1 96.5

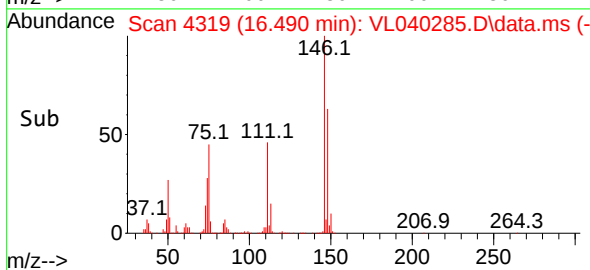
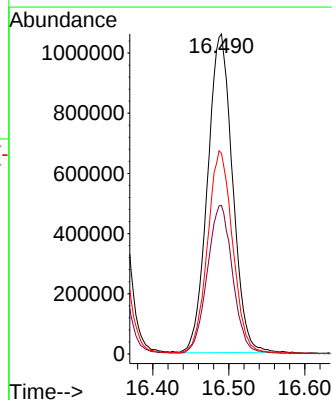
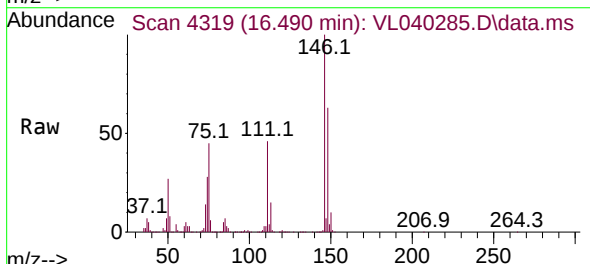
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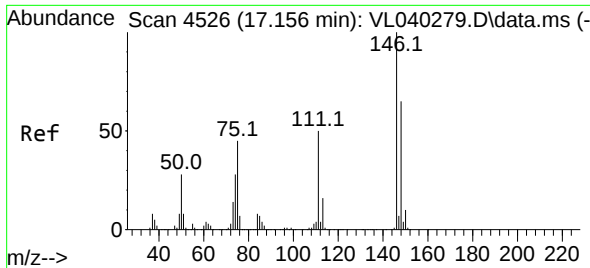
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#76
1,4-Dichlorobenzene
Concen: 14.026 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

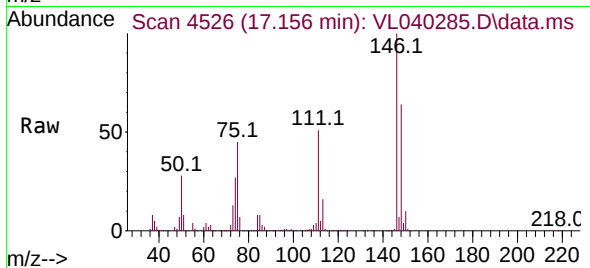
Tgt Ion:146 Resp: 2413678
Ion Ratio Lower Upper
146 100
111 48.0 23.5 70.5
148 64.7 32.5 97.4





#77
1,2-Dichlorobenzene
Concen: 13.127 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

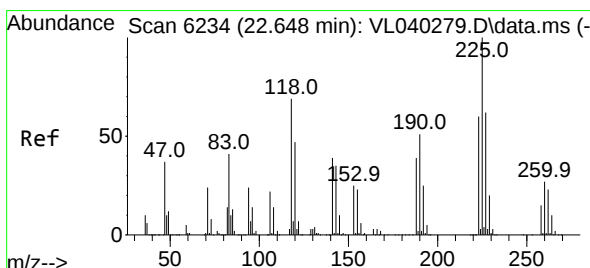
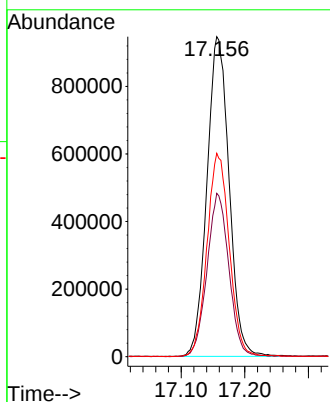
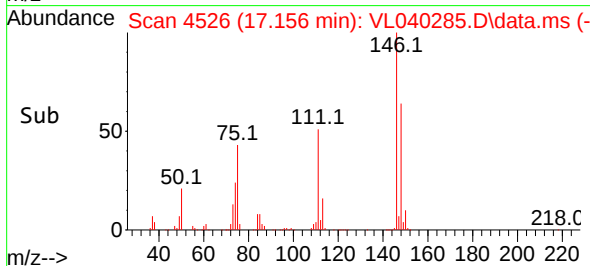
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



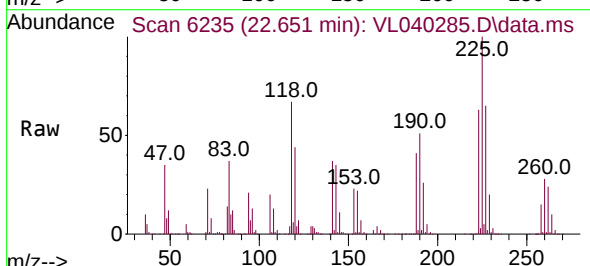
Tgt Ion:146 Resp: 2289760
Ion Ratio Lower Upper
146 100
111 50.6 25.3 75.8
148 63.8 32.0 96.2

Manual Integrations
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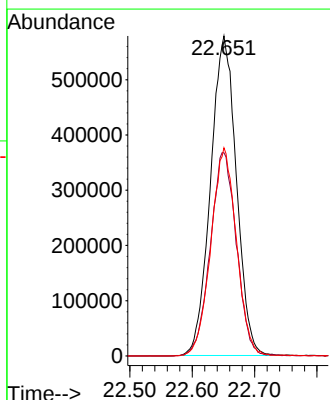
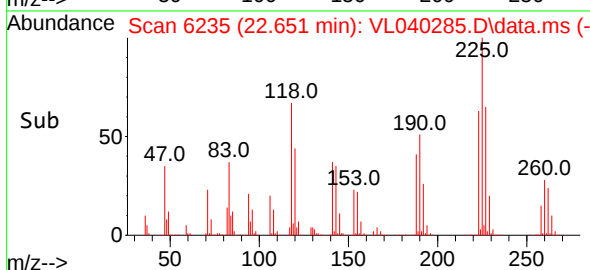
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

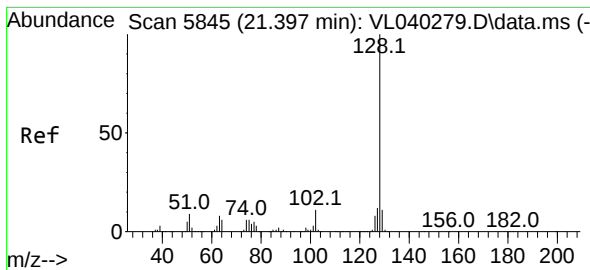


#78
Hexachloro-1,3-Butadiene
Concen: 13.890 ppbv
RT: 22.651 min Scan# 6235
Delta R.T. 0.006 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25



Tgt Ion:225 Resp: 1664518
Ion Ratio Lower Upper
225 100
223 64.4 51.0 76.6
227 64.3 51.2 76.8





#79

Naphthalene

Concen: 19.975 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 360093

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

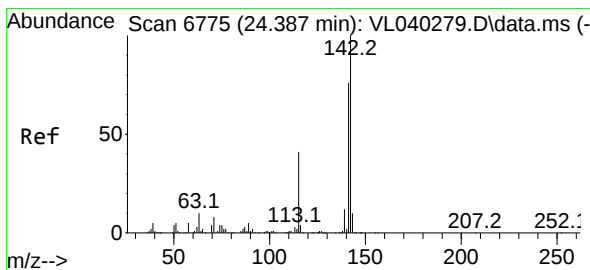
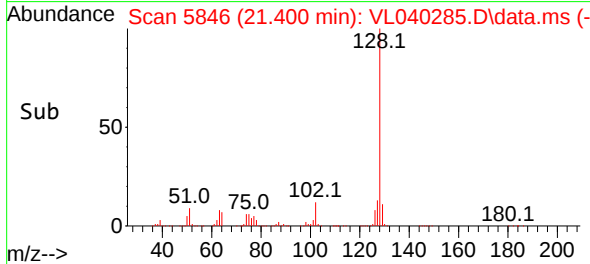
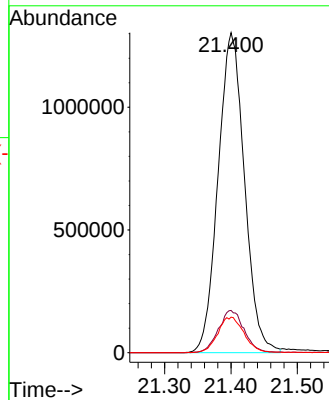
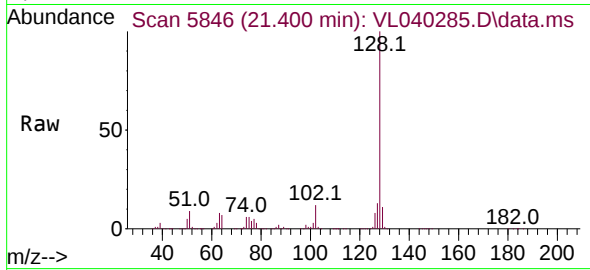
129 11.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023

Supervised By :Mahesh Dadoda 03/16/2023



#80

Naphthalene,2-methyl-

Concen: 19.530 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. 0.000 min

Lab File: VL040285.D

Acq: 15 Mar 2023 15:25

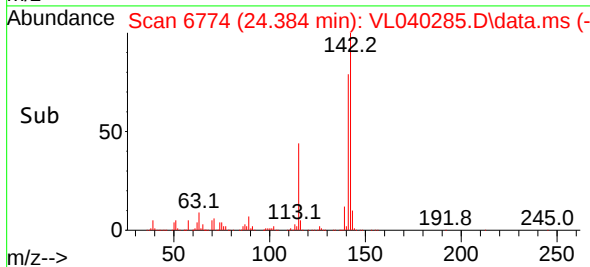
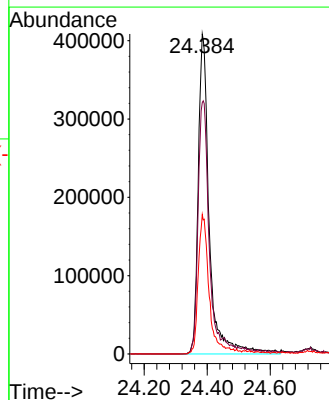
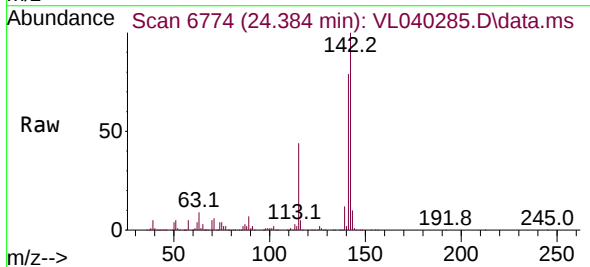
Tgt Ion:142 Resp: 1001148

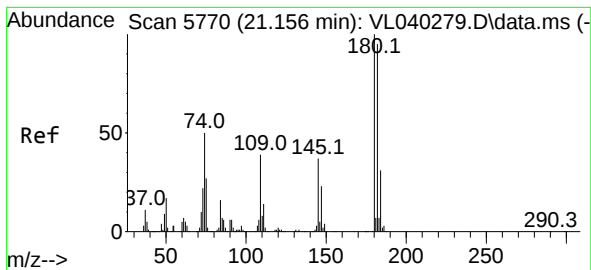
Ion Ratio Lower Upper

142 100

141 82.7 67.3 100.9

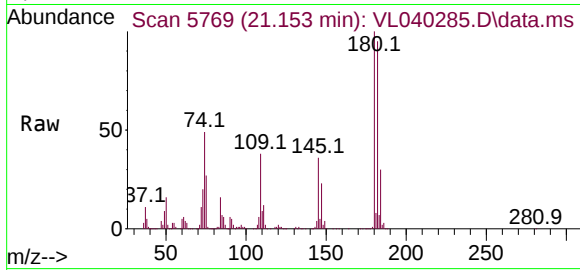
115 44.5 36.5 54.7





#81
1,2,4-Trichlorobenzene
Concen: 16.622 ppbv
RT: 21.153 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040285.D
Acq: 15 Mar 2023 15:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:180 Resp: 187504
Ion Ratio Lower Upper
180 100
182 95.9 79.0 118.6
184 30.5 24.6 36.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023

