

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111523\
 Data File : VL040867.D
 Acq On : 15 Nov 2023 12:39
 Operator : SY/MD
 Sample : VL1115ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1115ABS01

Quant Time: Nov 16 05:51:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Nov 13 15:42:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2023
 Supervised By : Mahesh Dadoda 11/22/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	1029030	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2656255	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2691527	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1958056	9.292	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.758	85	1974022	9.463	ppbv	99
3) Chlorodifluoromethane	2.703	51	1557647	9.481	ppbv	100
4) Chloromethane	2.841	50	583471	9.876	ppbv	95
5) Vinyl Chloride	2.944	62	606203	10.317	ppbv	98
6) Bromomethane	3.140	94	222650	9.927	ppbv	90
7) Chloroethane	3.217	64	204644	10.058	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1444529	9.590	ppbv	99
9) Propene	2.722	41	541647	9.782	ppbv	99
10) Heptane	7.565	43	1333535	9.790	ppbv	99
11) Trichlorofluoromethane	3.578	101	1536133	9.583	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.076	101	1093528	9.604	ppbv	99
13) Ethanol	3.262	45	94241	8.765	ppbv #	100
14) Bromoethene	3.385	108	449845	9.822	ppbv	97
15) Acetone	3.484	43	1036797	9.460	ppbv	99
16) 1,3-Butadiene	3.008	39	580989	10.478	ppbv	99
17) tert-Butyl alcohol	3.889	59	890837	9.505	ppbv	99
18) 1,1-Dichloroethene	3.889	96	485936	9.574	ppbv	99
19) Isopropyl Alcohol	3.590	45	664222	10.071	ppbv	99
20) Methylene Chloride	3.944	84	397043	8.779	ppbv	97
21) Allyl Chloride	4.005	41	701416	10.001	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	499945	8.679	ppbv	92
23) Vinyl Acetate	4.629	43	1542663	10.901	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1204613	9.550	ppbv	99
25) Ethyl Acetate	5.201	43	2278272	10.040	ppbv	100
26) Hexane	5.211	57	978794	9.746	ppbv	99
27) Carbon Disulfide	4.134	76	1253328	9.841	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	908327	10.000	ppbv	99
29) Chloroform	5.272	83	1625817	9.551	ppbv	100
30) Cyclohexane	6.590	84	855730	9.904	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1027732	10.341	ppbv	98
32) 1,1,1-Trichloroethane	5.995	97	1624547	10.229	ppbv	100
34) 2-Butanone	4.787	43	1410447	10.423	ppbv	100
35) Carbon Tetrachloride	6.484	117	1716767	10.534	ppbv	98
36) Benzene	6.362	78	2104307	9.761	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1262210	9.927	ppbv	100
38) Trichloroethene	7.278	130	819197	9.776	ppbv	99
39) 1,2-Dichloropropane	7.063	63	829840	9.708	ppbv	98
40) 1,4-Dioxane	7.269	88	322147	9.498	ppbv #	97
41) Tetrahydrofuran	5.552	42	877738	10.535	ppbv	99
42) Bromodichloromethane	7.237	83	1830459	10.060	ppbv	99
43) Methyl Methacrylate	7.458	69	871744	10.612	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3460222	9.663	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	583784	12.093	ppbv	95

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Manual Integrations
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Quant Time: Nov 16 05:51:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

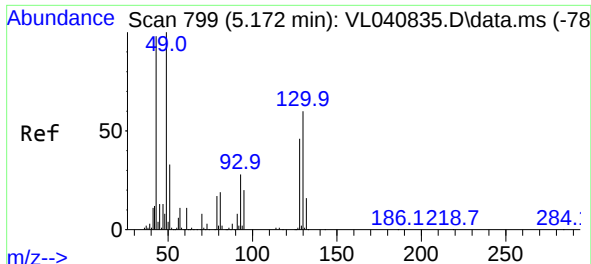
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Nov 13 15:42:46 2023

Response via : Initial Calibration

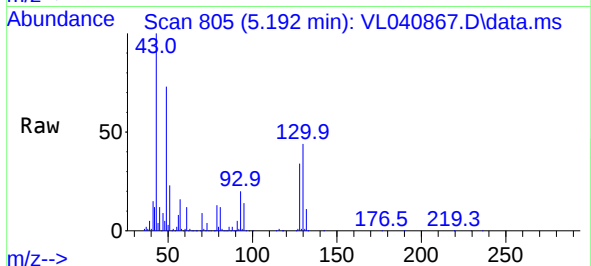
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	699737	11.179	ppbv	96
47) 1,1,2-Trichloroethane	8.876	97	881518	9.842	ppbv	99
48) Dibromochloromethane	9.687	129	1571426	10.574	ppbv	100
49) Bromoform	12.381	173	1228673	10.992	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2184404	10.431	ppbv	100
51) 2-Hexanone	9.529	43	1612704	10.925	ppbv #	99
52) Tetrachloroethene	10.590	164	737106	10.154	ppbv	99
53) Toluene	9.198	91	2419361	10.198	ppbv	99
54) 1,2-Dibromoethane	9.982	107	1217196	10.560	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.481	131	1112550	9.658	ppbv	97
57) Chlorobenzene	11.500	112	1840755	9.227	ppbv	97
58) Ethyl Benzene	12.060	91	3264261	9.295	ppbv	98
59) m/p-Xylene	12.346	91	5469281m	18.289	ppbv	
60) o-Xylene	13.031	91	2603166	9.144	ppbv	99
61) Styrene	12.870	104	1386094	10.096	ppbv	99
62) Isopropylbenzene	14.002	105	3826961	9.099	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	1862764	9.232	ppbv	99
64) n-propylbenzene	14.886	120	1001945	9.505	ppbv	99
65) tert-Butylbenzene	16.059	119	3328250	9.385	ppbv	98
66) Benzyl Chloride	16.297	91	122183	9.350	ppbv #	97
67) sec-Butylbenzene	16.606	105	4669753	9.218	ppbv	100
69) p-Isopropyltoluene	16.963	119	3787003	9.375	ppbv	99
70) n-Butylbenzene	17.857	91	3965168	9.295	ppbv	99
71) 2-Chlorotoluene	14.770	91	2960224	9.233	ppbv	98
72) 4-Ethyltoluene	15.162	105	3007654	9.610	ppbv	99
73) 1,3,5-Trimethylbenzene	15.323	105	2603971	9.408	ppbv	98
74) 1,2,4-Trimethylbenzene	16.079	105	2817016	9.120	ppbv	96
75) 1,3-Dichlorobenzene	16.301	146	1608117	9.429	ppbv	98
76) 1,4-Dichlorobenzene	16.442	146	1542951	9.450	ppbv	98
77) 1,2-Dichlorobenzene	17.114	146	1539552	9.284	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	889960m	8.571	ppbv	
79) Naphthalene	21.349	128	1937684	12.206	ppbv	97
80) Naphthalene,2-methyl-	24.348	142	383110	13.671	ppbv	97
81) 1,2,4-Trichlorobenzene	21.107	180	982574	10.181	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

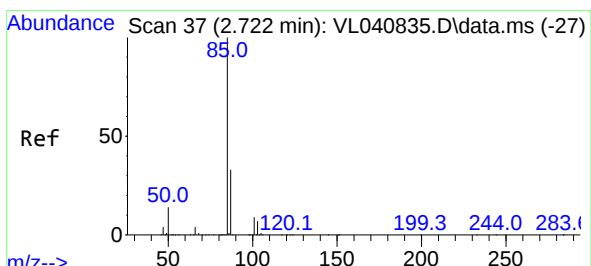
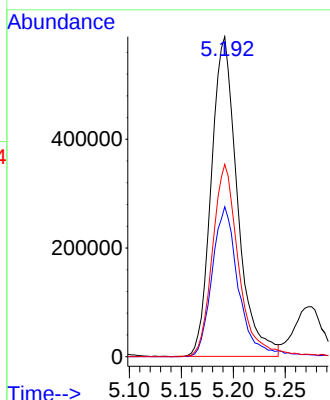
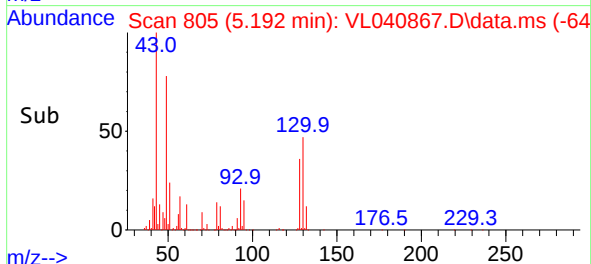
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



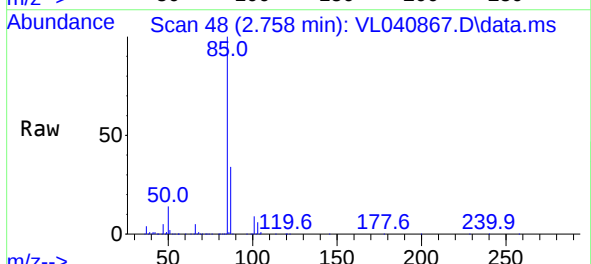
Tgt Ion: 49 Resp: 1029030
Ion Ratio Lower Upper
49 100
128 47.9 23.8 71.2
130 61.4 30.9 92.8

Manual Integrations
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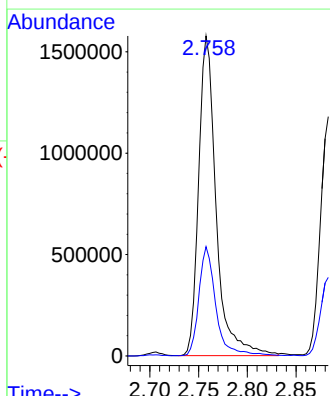
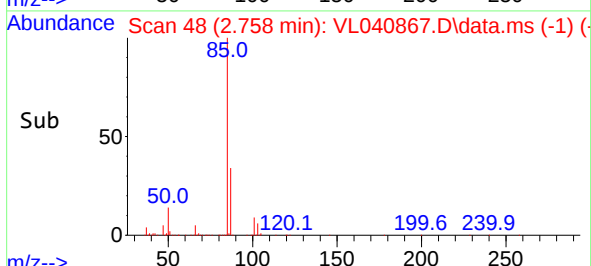
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

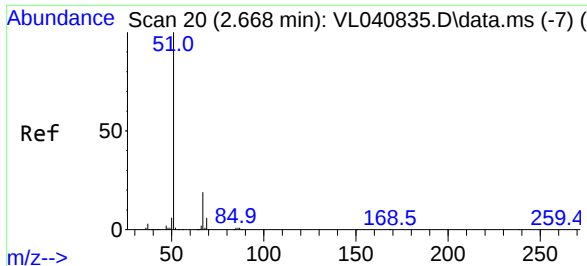


#2
Dichlorodifluoromethane
Concen: 9.463 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.035 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



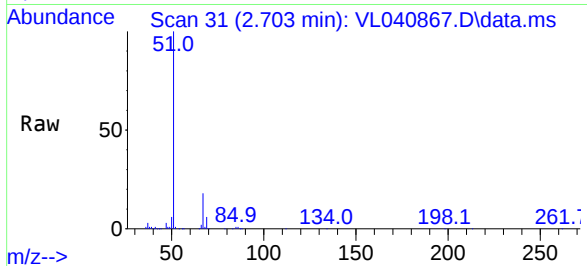
Tgt Ion: 85 Resp: 1974022
Ion Ratio Lower Upper
85 100
87 34.1 26.7 40.1





#3
Chlorodifluoromethane
Concen: 9.481 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.035 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

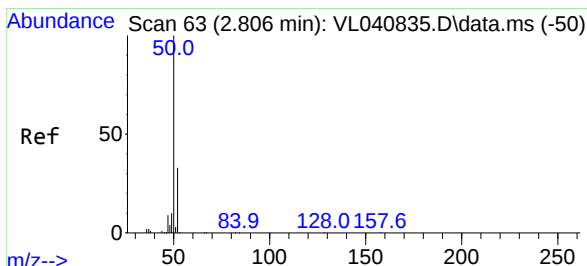
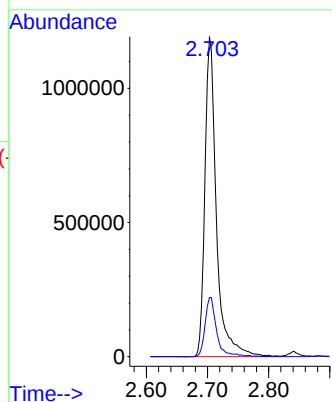
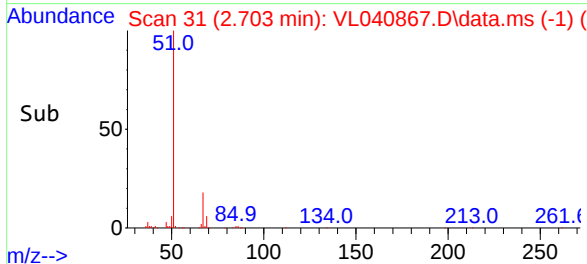
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



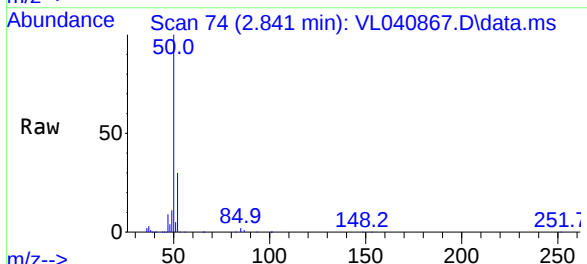
Tgt Ion: 51 Resp: 155764
Ion Ratio Lower Upper
51 100
67 18.7 15.0 22.4

Manual Integrations
APPROVED

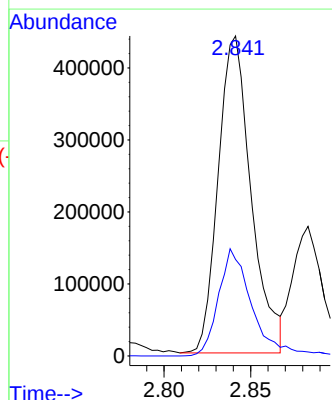
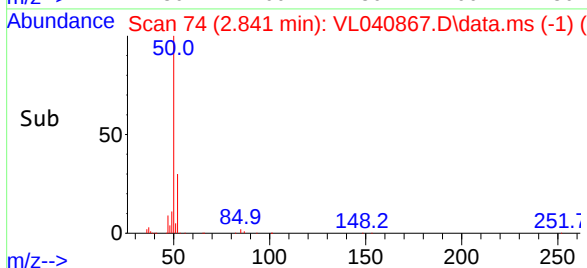
Reviewed By :Semsettin Yesilyurt 11/22/2023
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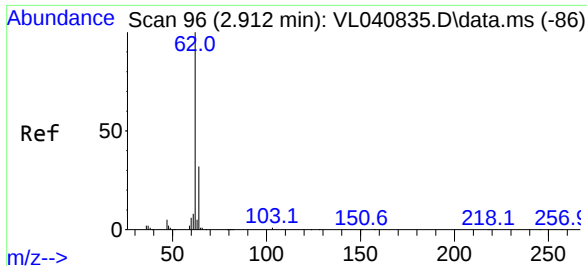


#4
Chloromethane
Concen: 9.876 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.035 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 50 Resp: 583471
Ion Ratio Lower Upper
50 100
52 30.4 26.5 39.7





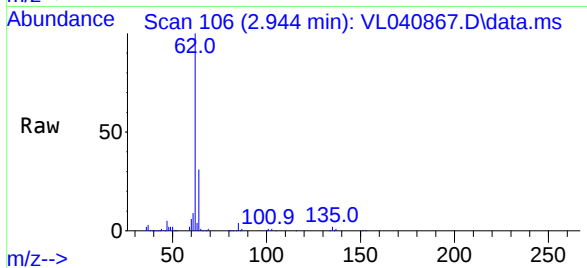
#5
 Vinyl Chloride
 Concen: 10.317 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.032 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

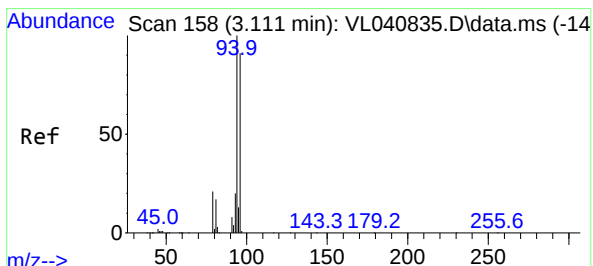
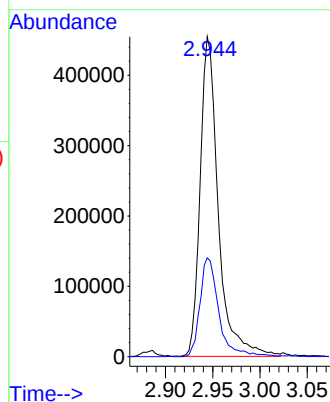
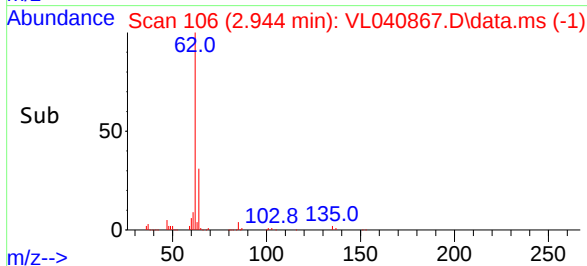


Tgt Ion: 62 Resp: 60620
 Ion Ratio Lower Upper
 62 100
 64 30.9 25.4 38.2

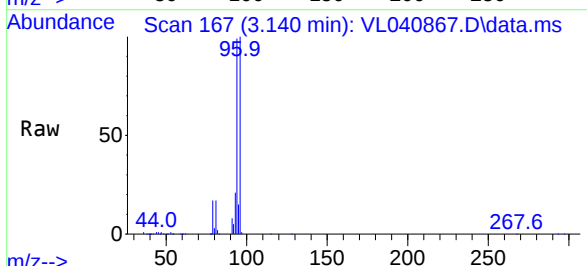
Manual Integrations

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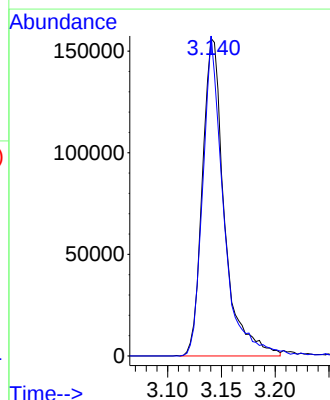
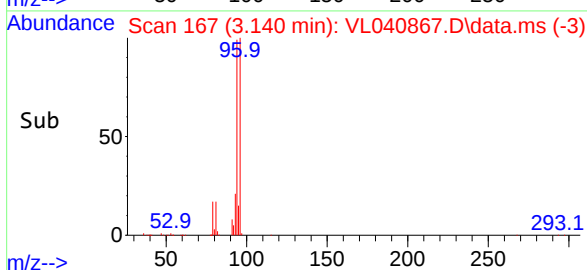
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 Supervised By :Mahesh Dadoda 11/22/2023

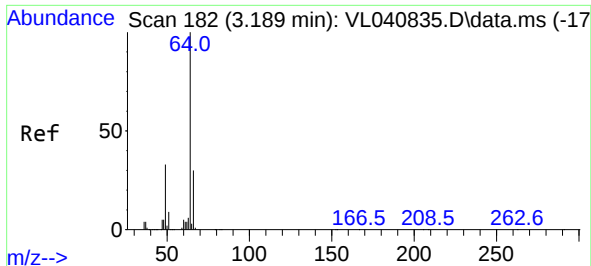


#6
 Bromomethane
 Concen: 9.927 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. 0.029 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39



Tgt Ion: 94 Resp: 222650
 Ion Ratio Lower Upper
 94 100
 96 100.8 73.0 109.4





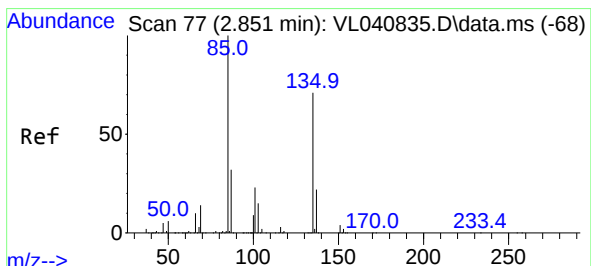
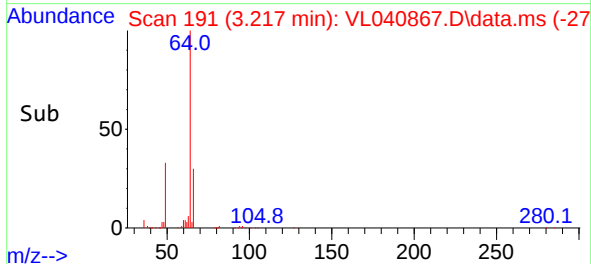
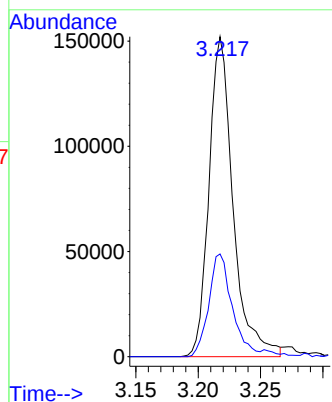
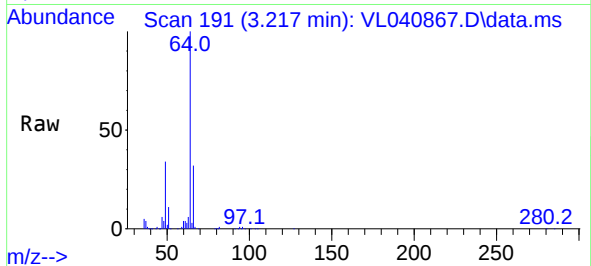
#7
Chloroethane
Concen: 10.058 ppbv
RT: 3.217 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 64 Resp: 204644
Ion Ratio Lower Upper
64 100
66 32.1 23.8 35.6

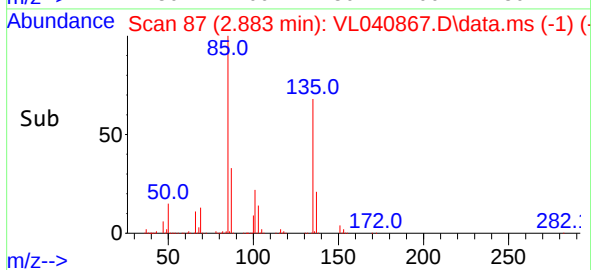
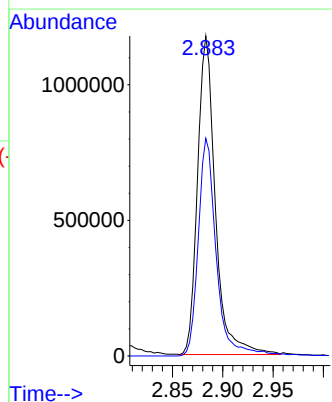
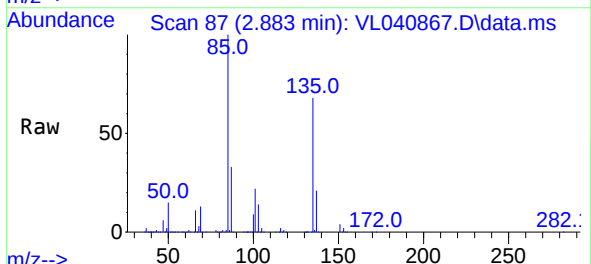
Manual Integrations
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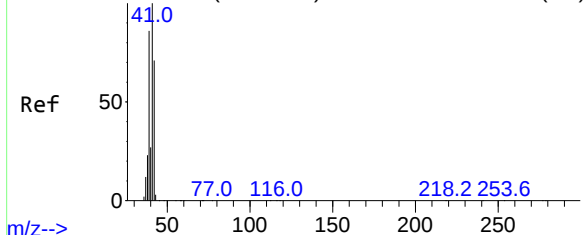


#8
Dichlorotetrafluoroethane
Concen: 9.590 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.032 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion: 85 Resp: 1444529
Ion Ratio Lower Upper
85 100
135 69.9 55.3 82.9



Abundance Scan 26 (2.687 min): VL040835.D\data.ms (-18)



#9

Propene

Concen: 9.782 ppbv

RT: 2.722 min Scan# 31

Delta R.T. 0.035 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 41 Resp: 54164

Ion Ratio Lower Upper

41 100

42 69.8 56.5 84.7

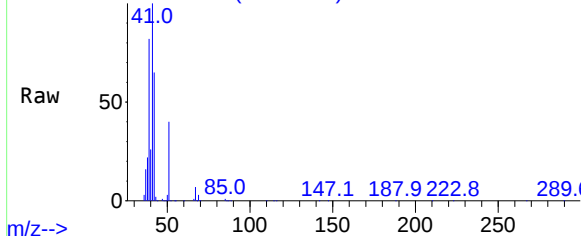
Manual Integrations

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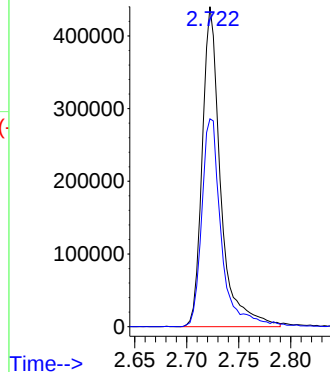
Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023

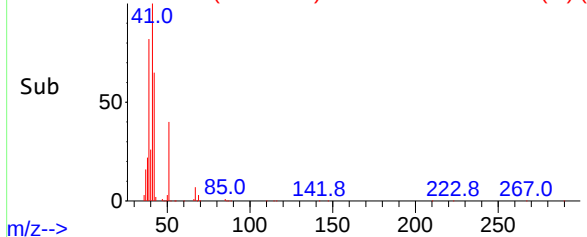
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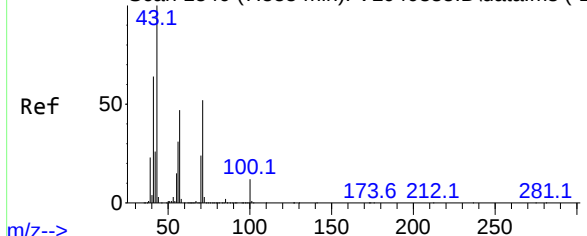
Abundance



Abundance Scan 37 (2.722 min): VL040867.D\data.ms (-1)



Abundance Scan 1540 (7.555 min): VL040835.D\data.ms (-1)



#10

Heptane

Concen: 9.790 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. 0.010 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

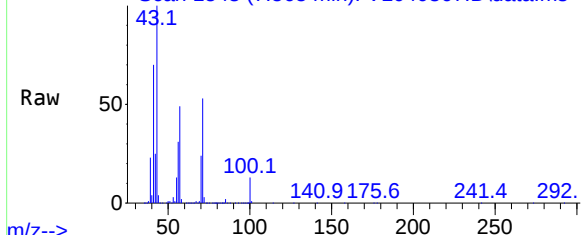
Tgt Ion: 43 Resp: 1333535

Ion Ratio Lower Upper

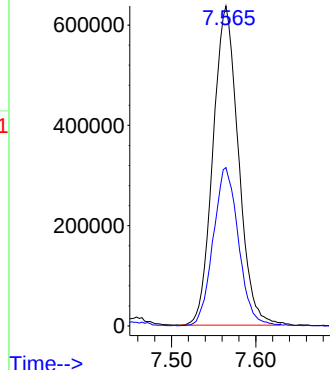
43 100

57 49.7 39.4 59.0

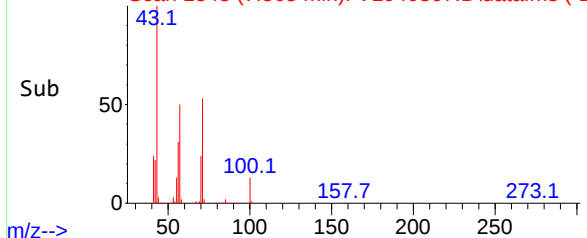
Abundance Scan 1543 (7.565 min): VL040867.D\data.ms

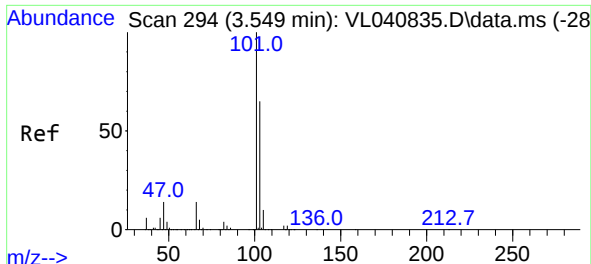


Abundance



Abundance Scan 1543 (7.565 min): VL040867.D\data.ms (-1)





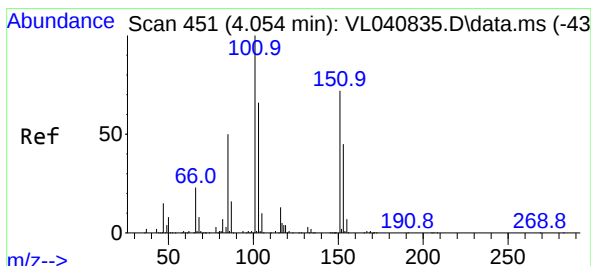
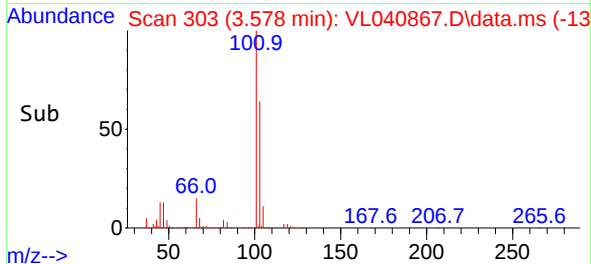
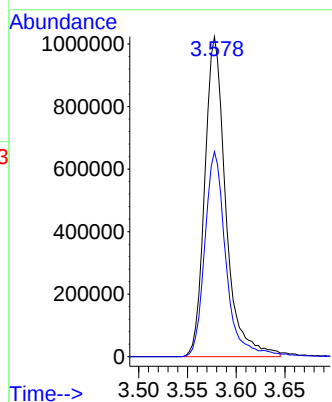
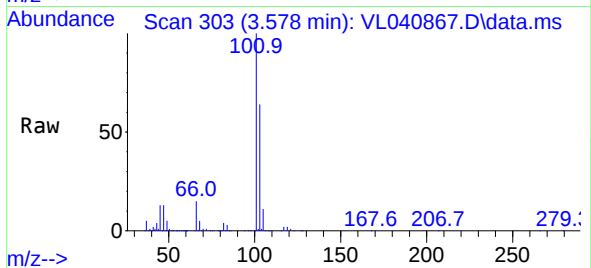
#11
Trichlorofluoromethane
Concen: 9.583 ppbv
RT: 3.578 min Scan# 301
Delta R.T. 0.029 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion:101 Resp: 153613
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

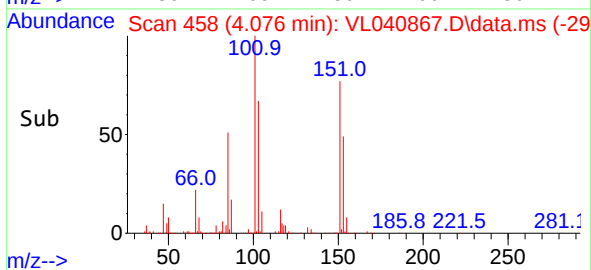
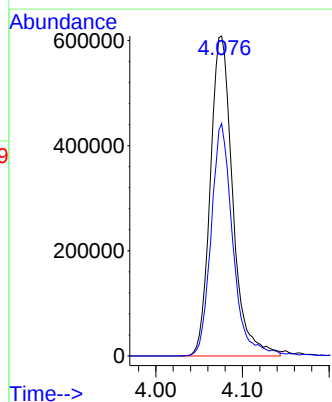
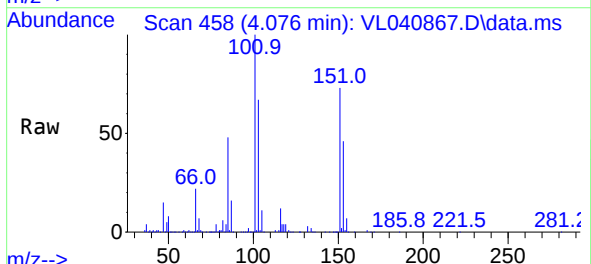
Manual Integrations
APPROVED

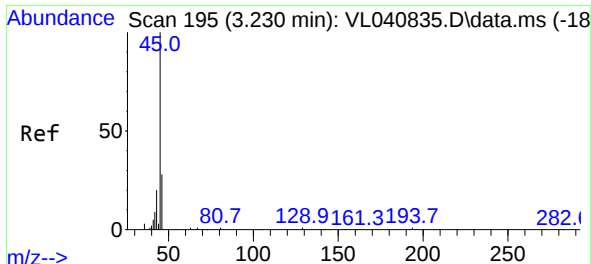
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.604 ppbv
RT: 4.076 min Scan# 458
Delta R.T. 0.022 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion:101 Resp: 1093528
Ion Ratio Lower Upper
101 100
151 71.1 57.8 86.6





#13

Ethanol

Concen: 8.765 ppbv

RT: 3.262 min Scan# 205

Delta R.T. 0.032 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 45 Resp: 9424

Ion Ratio Lower Upper

45 100

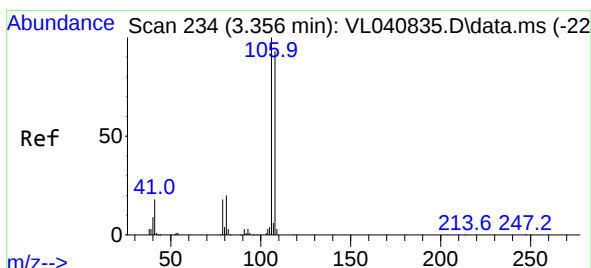
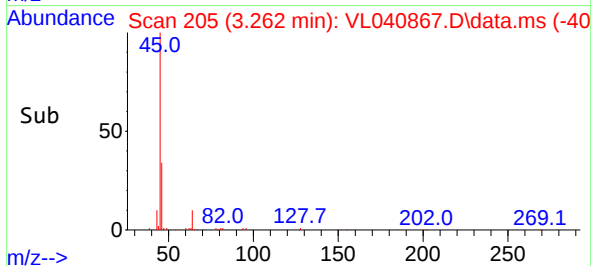
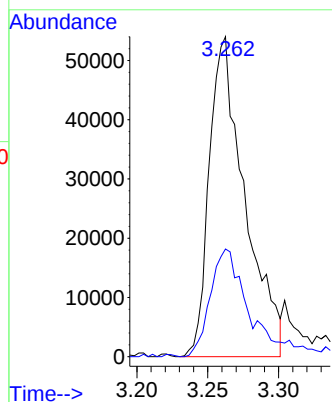
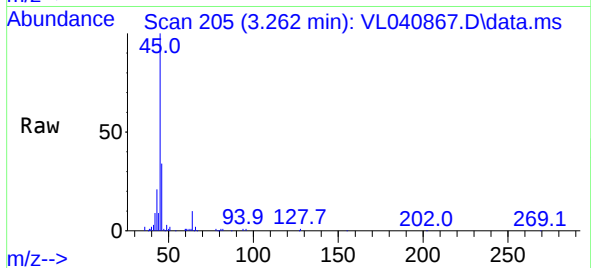
46 39.1 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#14

Bromoethene

Concen: 9.822 ppbv

RT: 3.385 min Scan# 243

Delta R.T. 0.029 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

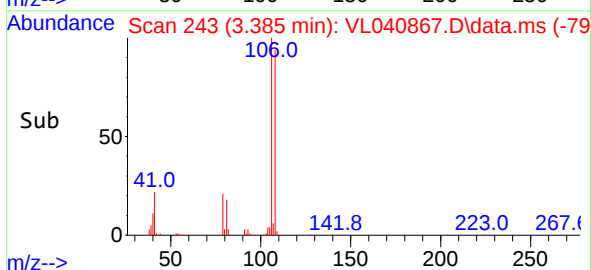
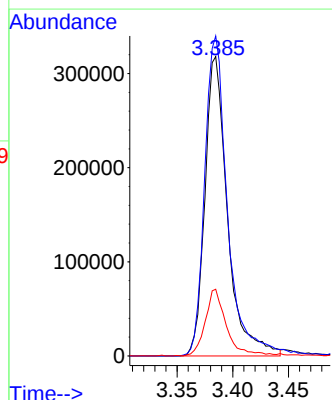
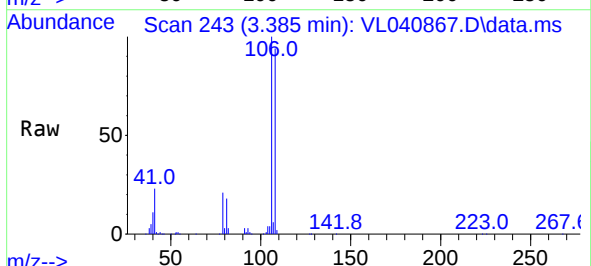
Tgt Ion:108 Resp: 449845

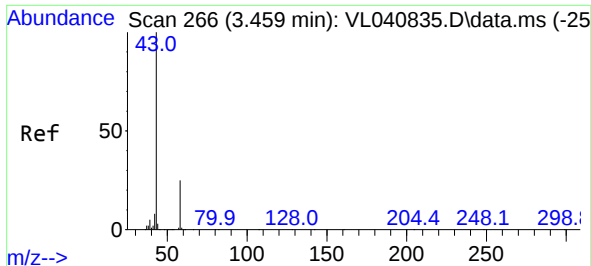
Ion Ratio Lower Upper

108 100

106 109.9 85.4 128.2

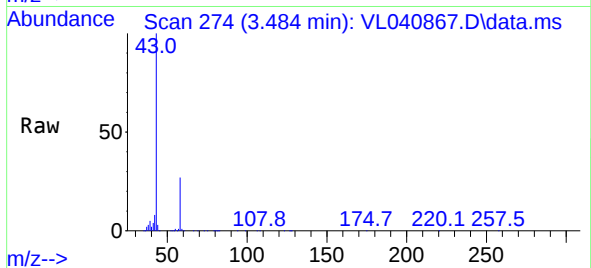
79 21.6 16.7 25.1





#15
Acetone
Concen: 9.460 ppbv
RT: 3.484 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

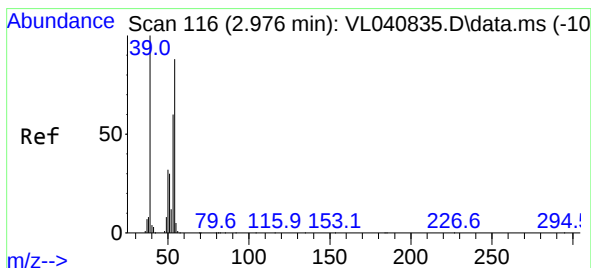
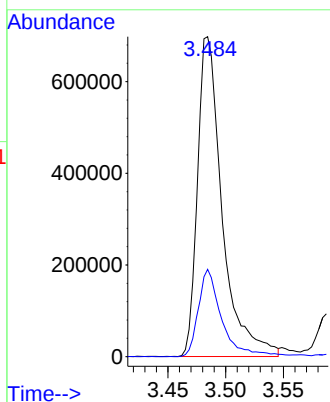
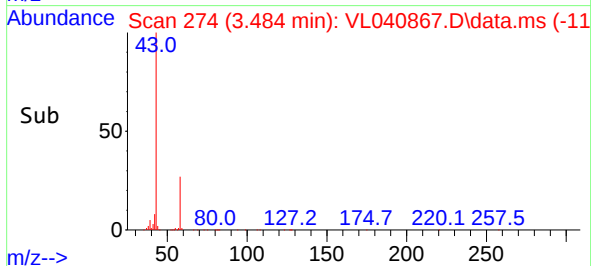
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



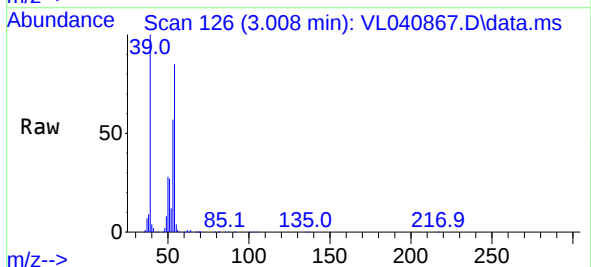
Tgt Ion: 43 Resp: 103679
Ion Ratio Lower Upper
43 100
58 26.4 20.9 31.3

Manual Integrations
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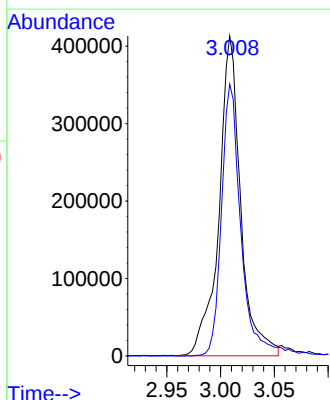
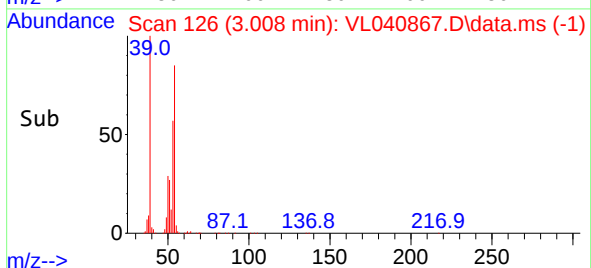
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

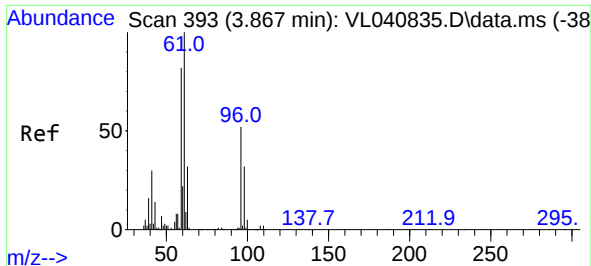


#16
1,3-Butadiene
Concen: 10.478 ppbv
RT: 3.008 min Scan# 126
Delta R.T. 0.032 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



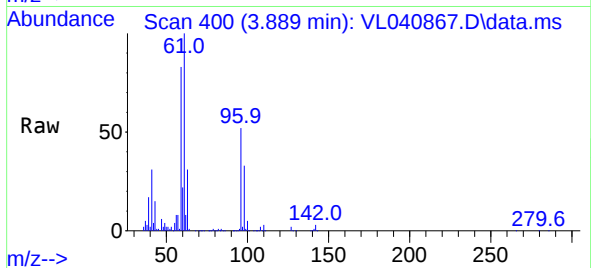
Tgt Ion: 39 Resp: 580989
Ion Ratio Lower Upper
39 100
54 77.6 61.8 92.6





#17
tert-Butyl alcohol
Concen: 9.505 ppbv
RT: 3.889 min Scan# 400
Delta R.T. 0.022 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

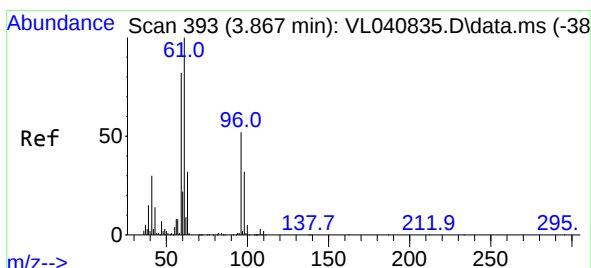
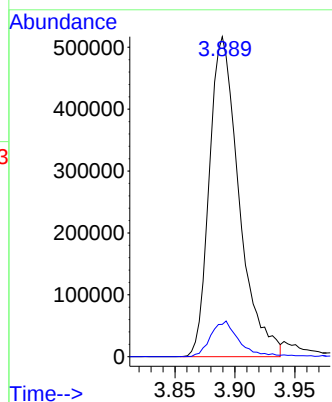
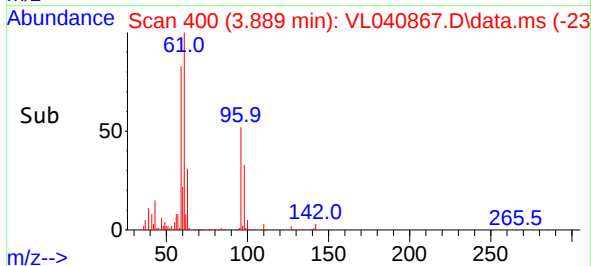
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



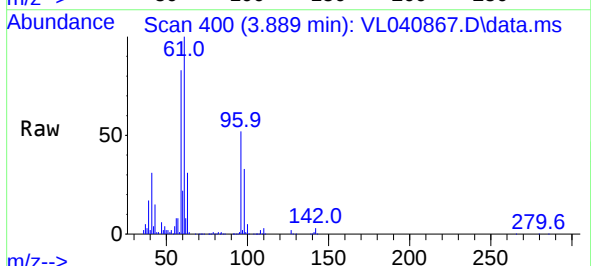
Tgt Ion: 59 Resp: 89083
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4

Manual Integrations
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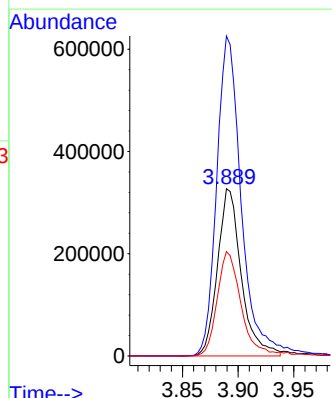
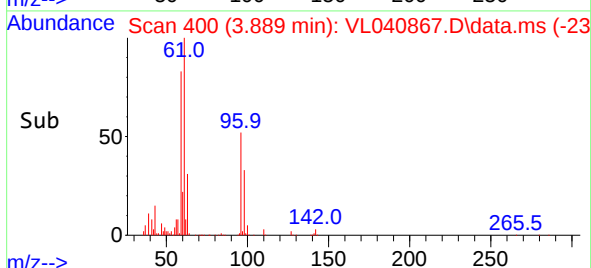
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

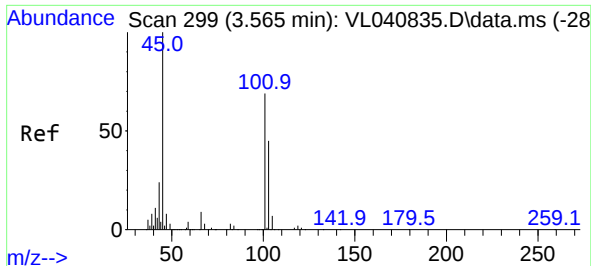


#18
1,1-Dichloroethene
Concen: 9.574 ppbv
RT: 3.889 min Scan# 400
Delta R.T. 0.022 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 96 Resp: 485936
Ion Ratio Lower Upper
96 100
61 191.4 152.6 228.8
98 62.4 49.2 73.8





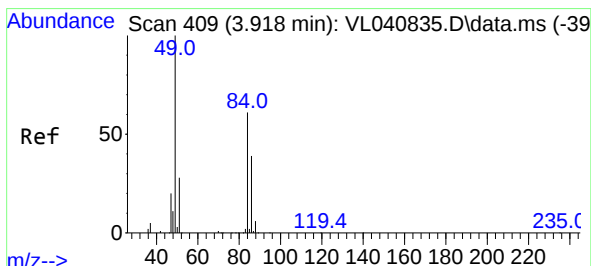
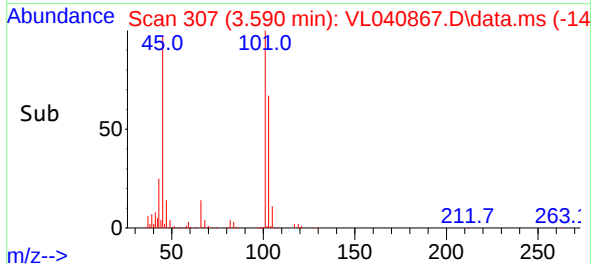
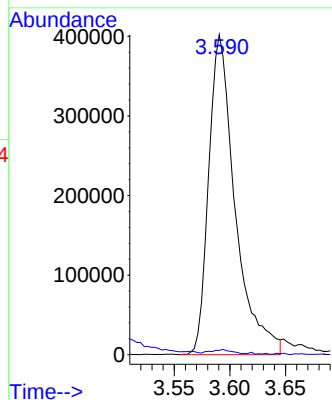
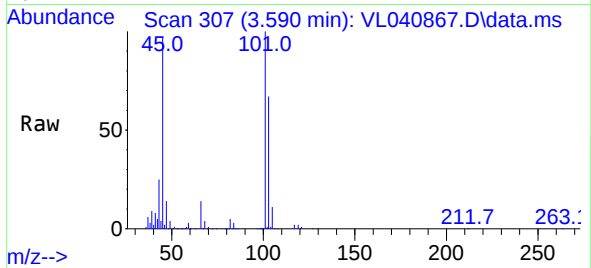
#19
Isopropyl Alcohol
Concen: 10.071 ppbv
RT: 3.590 min Scan# 307
Delta R.T. 0.026 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 45 Resp: 66422
Ion Ratio Lower Upper
45 100
58 1.7 1.6 2.4

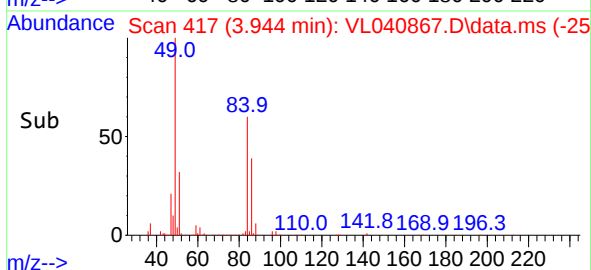
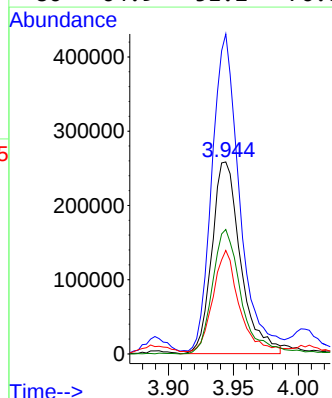
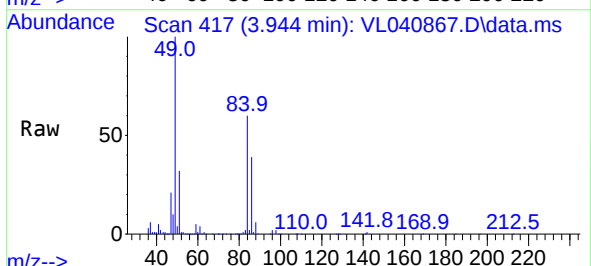
Manual Integrations
APPROVED

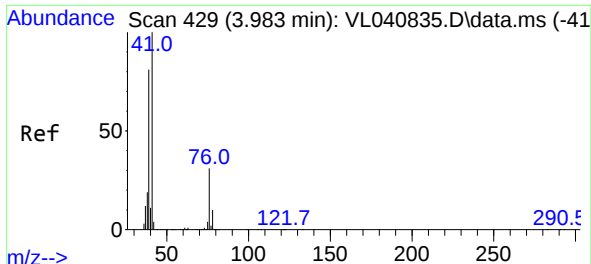
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#20
Methylene Chloride
Concen: 8.779 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.026 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion: 84 Resp: 397043
Ion Ratio Lower Upper
84 100
49 165.4 131.0 196.4
51 52.7 36.9 55.3
86 64.9 51.2 76.8





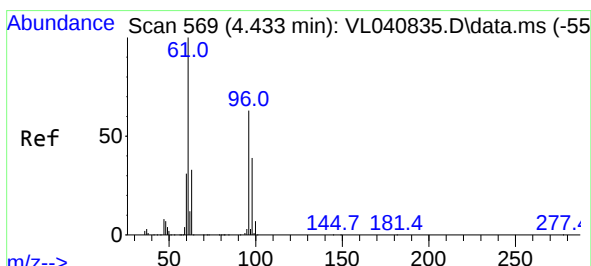
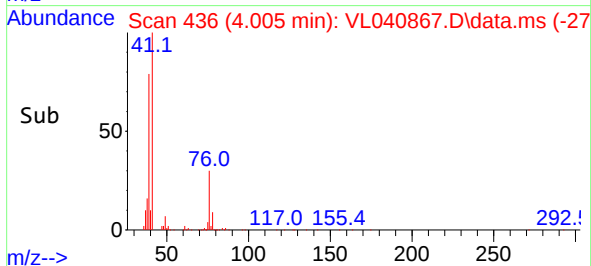
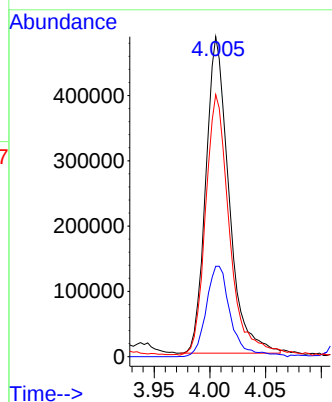
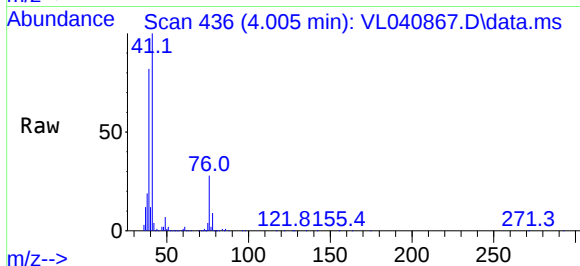
#21
 Allyl Chloride
 Concen: 10.001 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. 0.022 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1115ABS01

Tgt Ion: 41 Resp: 701410
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.4 36.6
 39 85.8 68.1 102.1

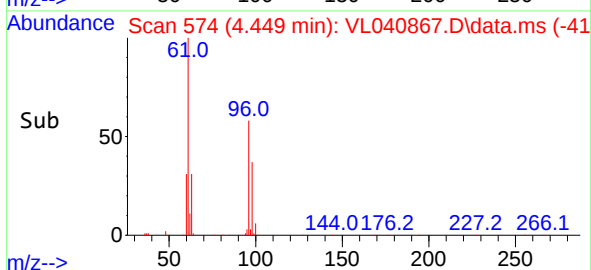
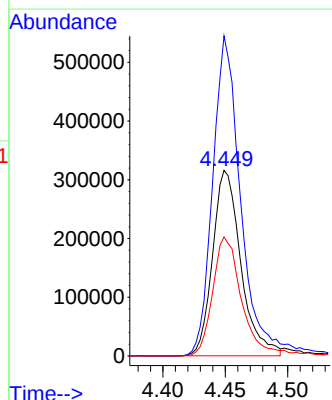
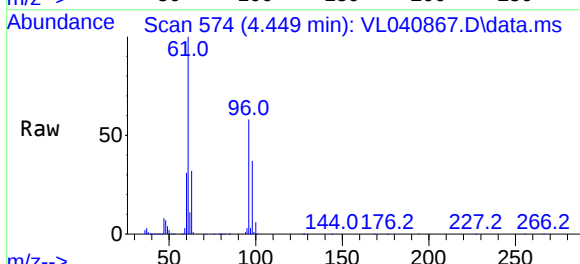
Manual Integrations
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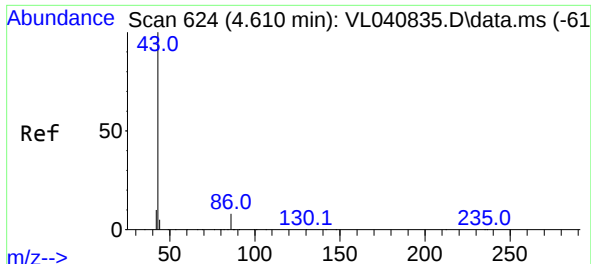
Reviewed By :Semsettin Yesilyurt 11/22/2023
 Supervised By :Mahesh Dadoda 11/22/2023



#22
 trans-1,2-Dichloroethene
 Concen: 8.679 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.016 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

Tgt Ion: 96 Resp: 499945
 Ion Ratio Lower Upper
 96 100
 61 172.5 126.8 190.2
 98 64.2 49.9 74.9





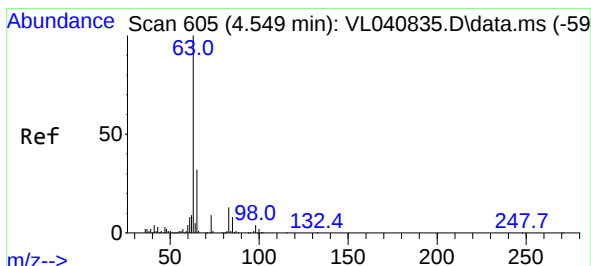
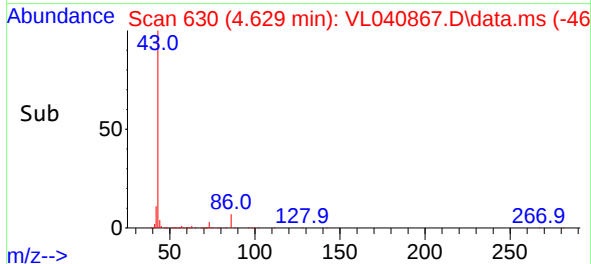
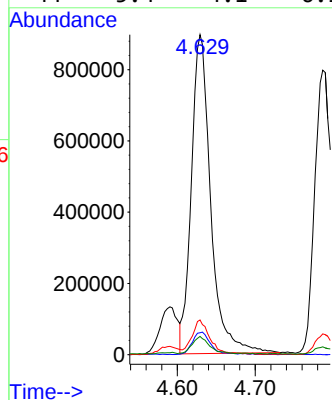
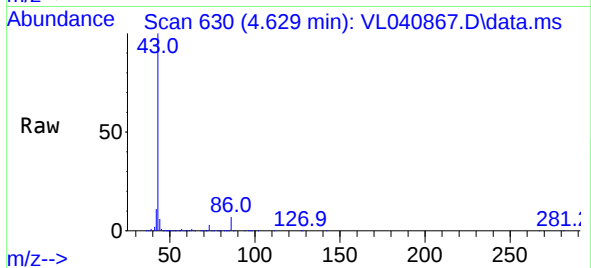
#23
 Vinyl Acetate
 Concen: 10.901 ppbv
 RT: 4.629 min Scan# 611
 Delta R.T. 0.019 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1115ABS01

Tgt Ion: 43 Resp: 154266
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.5 8.3
 42 10.8 8.2 12.2
 44 5.4 4.1 6.1

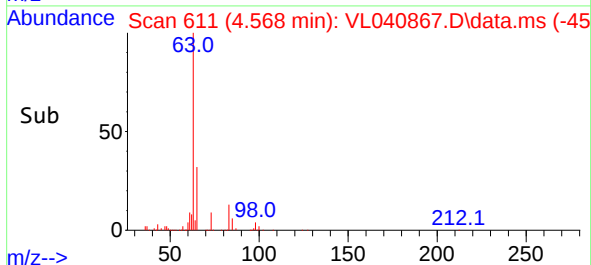
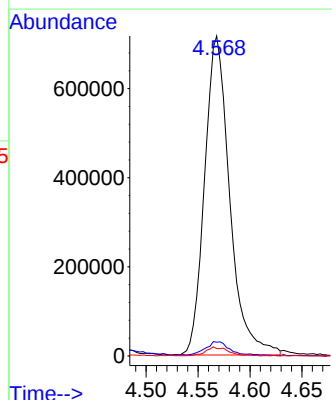
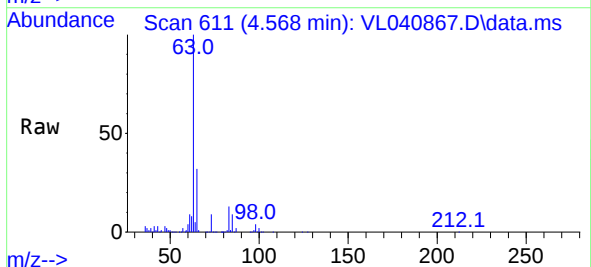
Manual Integrations
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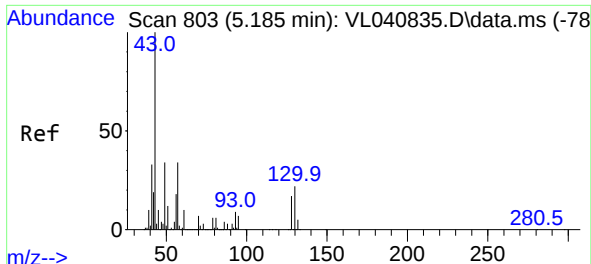
Reviewed By :Semsettin Yesilyurt 11/22/2023
 Supervised By :Mahesh Dadoda 11/22/2023



#24
 1,1-Dichloroethane
 Concen: 9.550 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.019 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

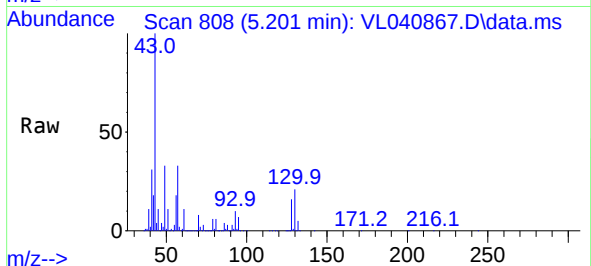
Tgt Ion: 63 Resp: 1204613
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.2 6.6
 100 2.3 1.0 3.0





#25
Ethyl Acetate
Concen: 10.040 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.016 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

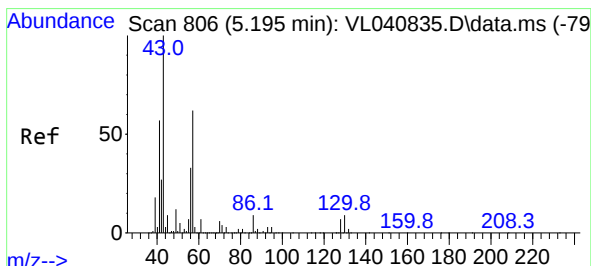
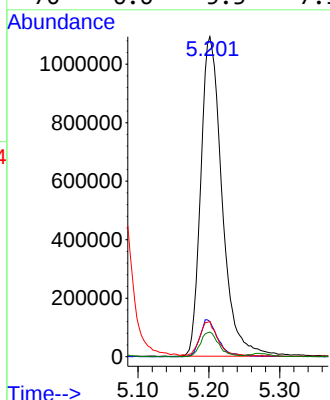
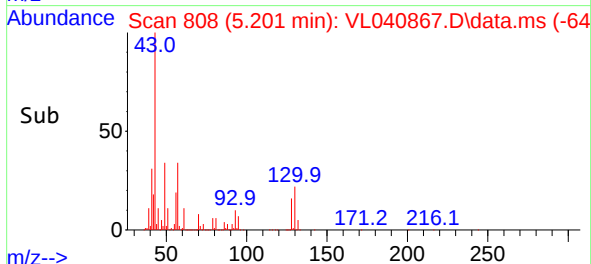


Tgt Ion: 43 Resp: 2278272

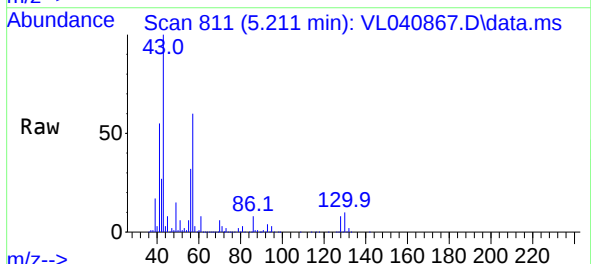
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.7	7.8	11.6
70	6.6	5.3	7.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

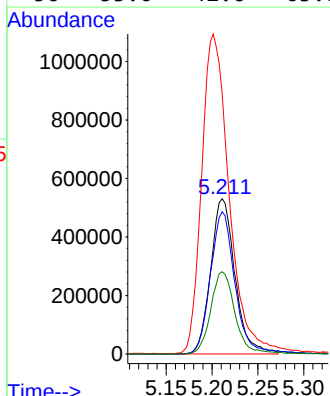
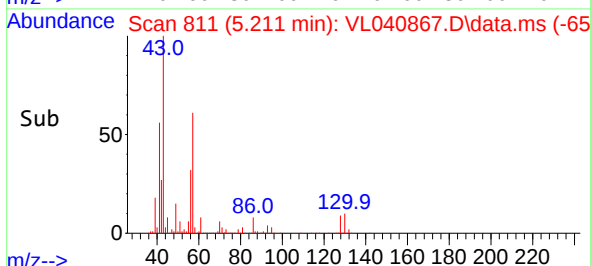


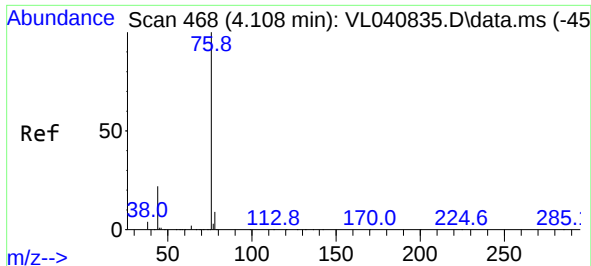
#26
Hexane
Concen: 9.746 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.016 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 57 Resp: 978794

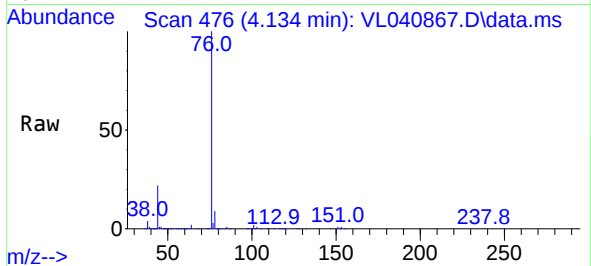
Ion	Ratio	Lower	Upper
57	100		
41	93.2	75.4	113.0
43	235.5	185.9	278.9
56	53.0	42.6	63.8





#27
Carbon Disulfide
Concen: 9.841 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

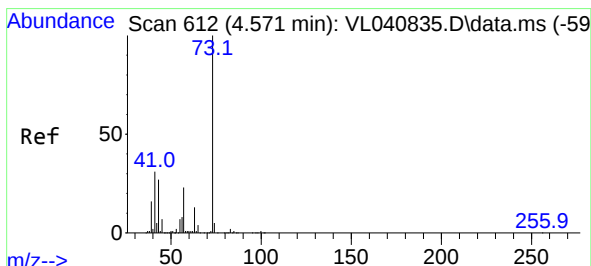
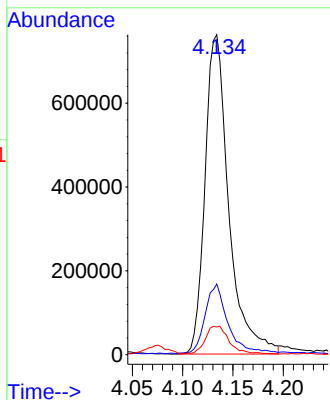
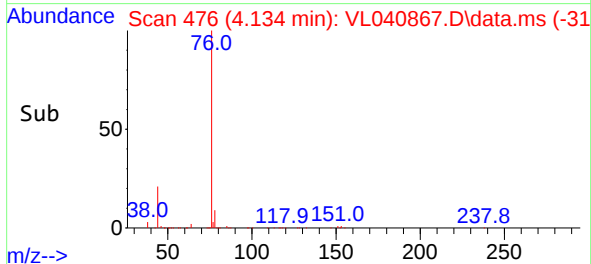
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



Tgt Ion: 76 Resp: 1253328
Ion Ratio Lower Upper
76 100
44 21.7 16.7 25.1
78 9.4 7.6 11.4

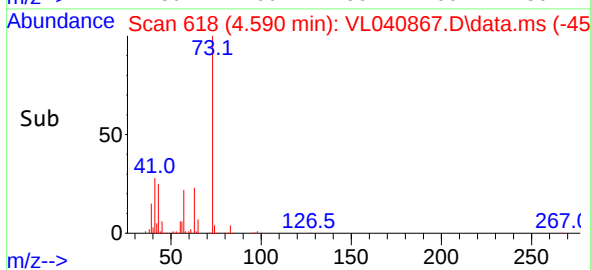
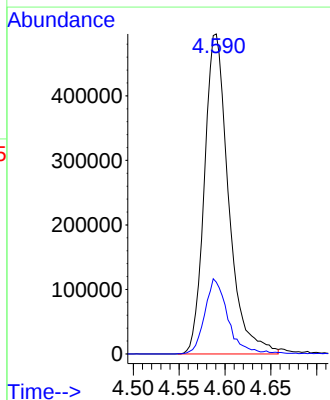
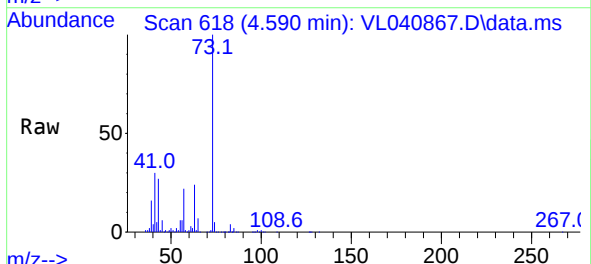
Manual Integrations
APPROVED

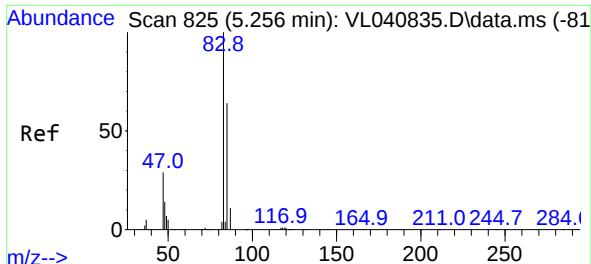
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#28
Methyl tert-Butyl Ether
Concen: 10.000 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.019 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion: 73 Resp: 908327
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0





#29

Chloroform

Concen: 9.551 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 83 Resp: 162581

Ion Ratio Lower Upper

83 100

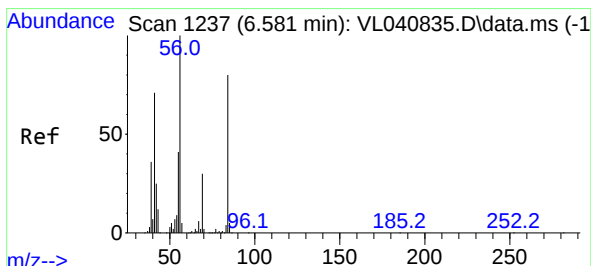
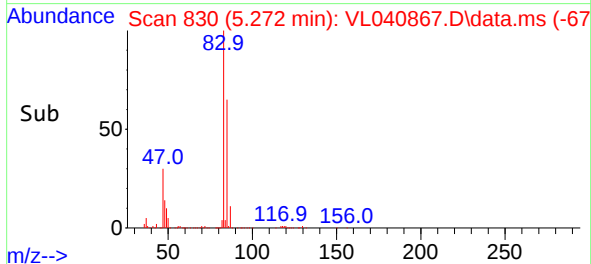
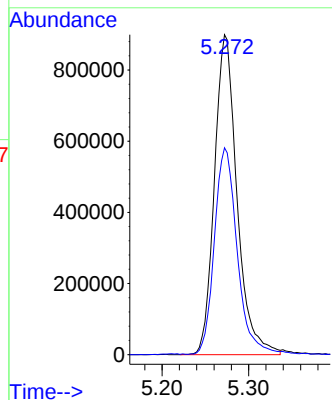
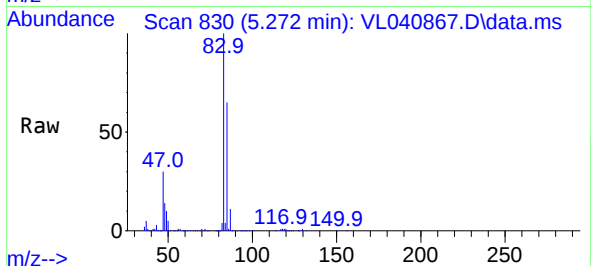
85 64.5 51.4 77.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#30

Cyclohexane

Concen: 9.904 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. 0.010 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

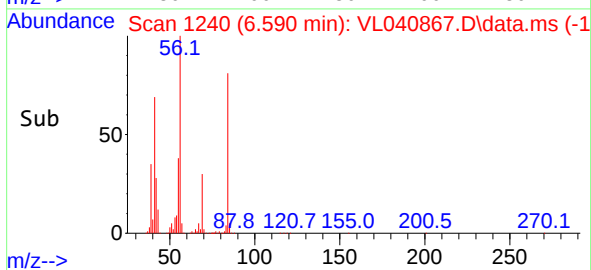
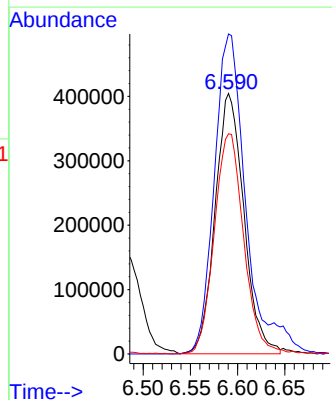
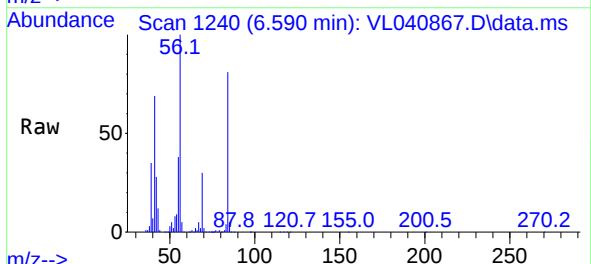
Tgt Ion: 84 Resp: 855730

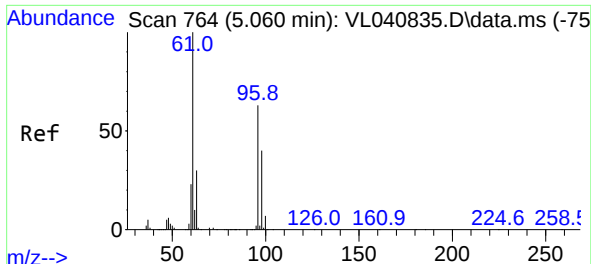
Ion Ratio Lower Upper

84 100

56 135.6 109.3 163.9

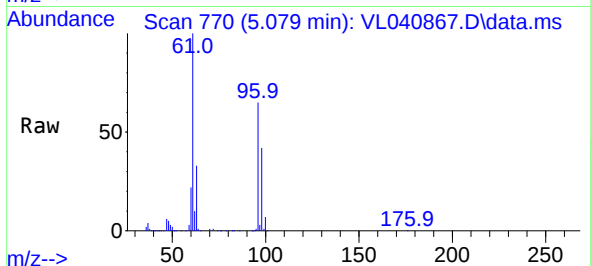
41 87.2 71.4 107.2





#31
cis-1,2-Dichloroethene
Concen: 10.341 ppbv
RT: 5.079 min Scan# 71
Delta R.T. 0.019 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

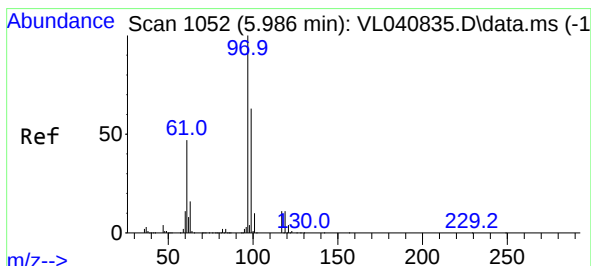
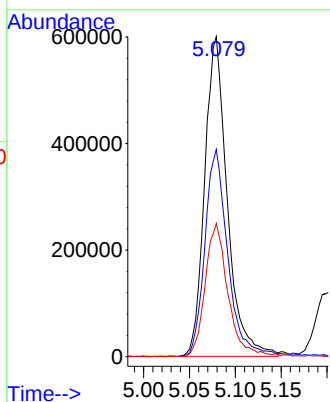
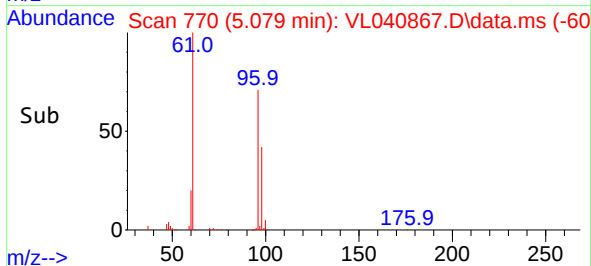
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



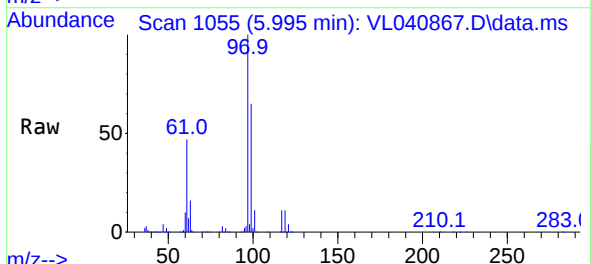
Tgt Ion: 61 Resp: 102773
Ion Ratio Lower Upper
61 100
96 64.8 50.5 75.7
98 41.6 31.9 47.9

Manual Integrations
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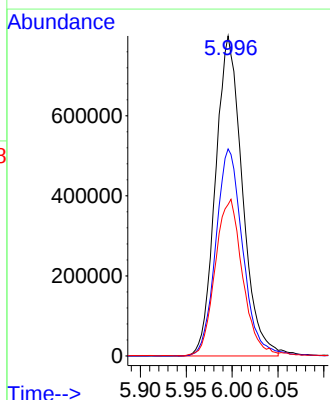
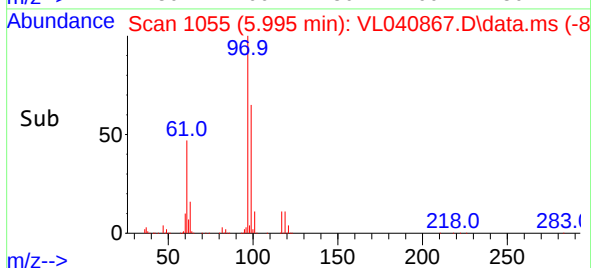
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

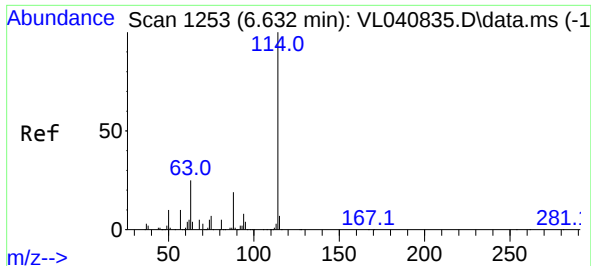


#32
1,1,1-Trichloroethane
Concen: 10.229 ppbv
RT: 5.995 min Scan# 1055
Delta R.T. 0.010 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 97 Resp: 1624547
Ion Ratio Lower Upper
97 100
99 65.4 52.2 78.4
61 50.8 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion:114 Resp: 265625

Ion Ratio Lower Upper

114 100

63 25.3 20.9 31.3

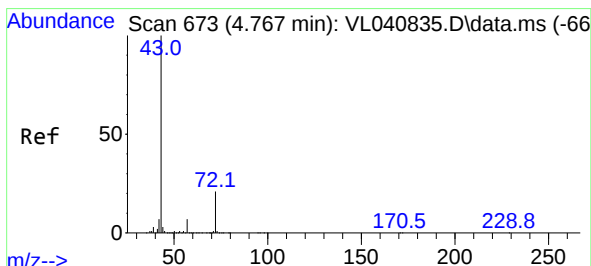
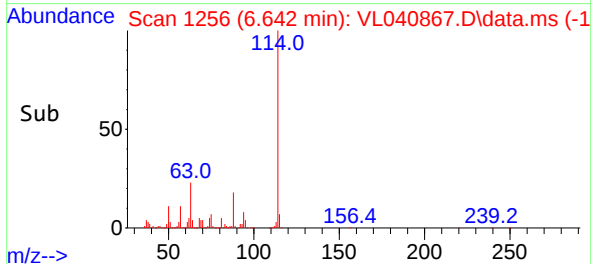
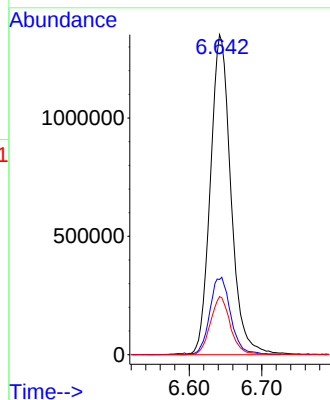
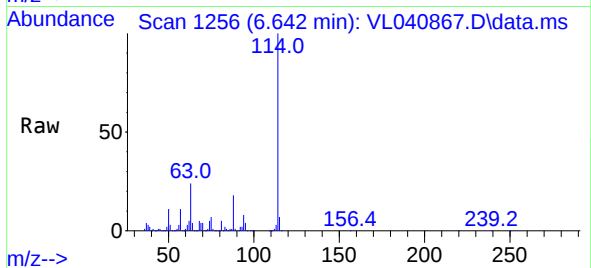
88 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#34

2-Butanone

Concen: 10.423 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.019 min

Lab File: VL040867.D

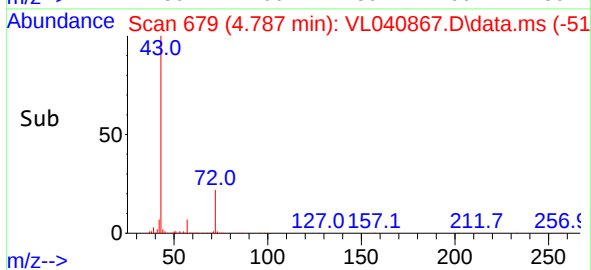
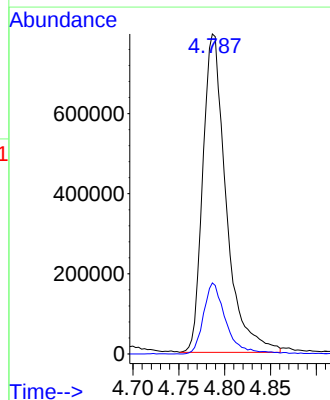
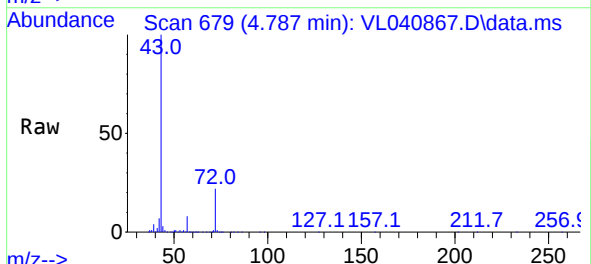
Acq: 15 Nov 2023 12:39

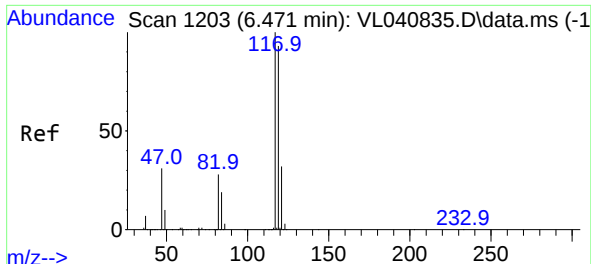
Tgt Ion: 43 Resp: 1410447

Ion Ratio Lower Upper

43 100

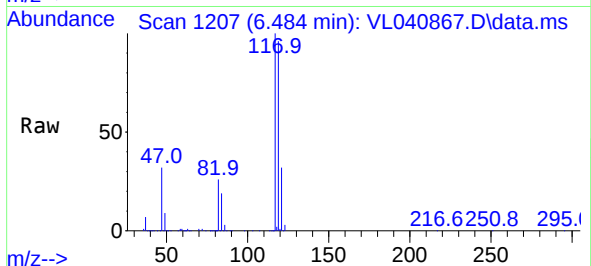
72 21.7 17.2 25.8





#35
Carbon Tetrachloride
Concen: 10.534 ppbv
RT: 6.484 min Scan# 1117
Delta R.T. 0.013 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

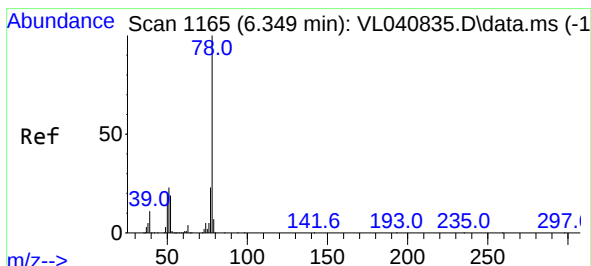
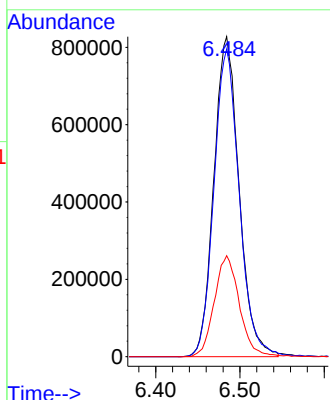
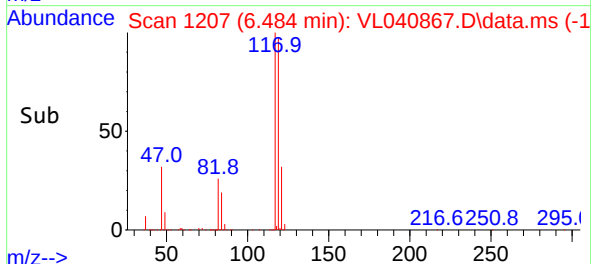
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



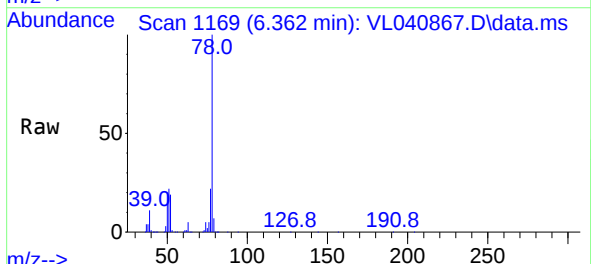
Tgt Ion: 117 Resp: 171676
Ion Ratio Lower Upper
117 100
119 96.2 74.7 112.1
121 31.5 25.5 38.3

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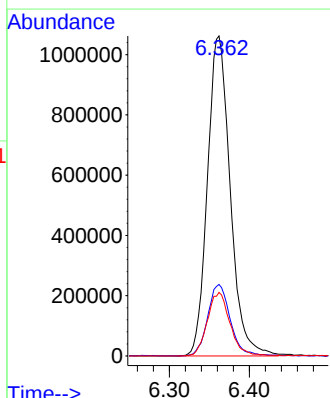
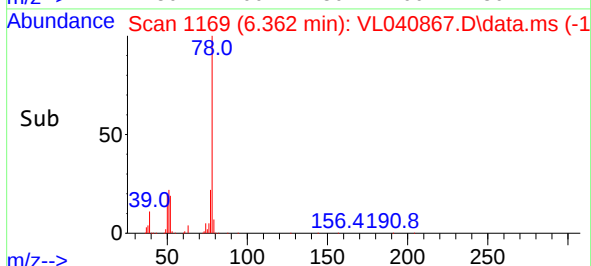
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

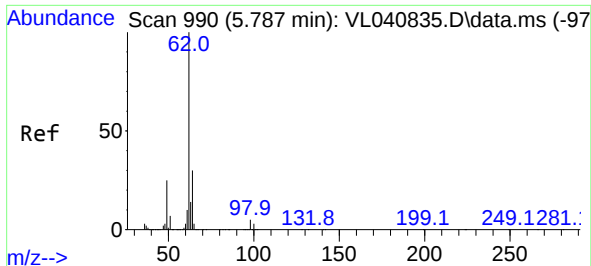


#36
Benzene
Concen: 9.761 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 78 Resp: 2104307
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6
50 19.8 16.2 24.2





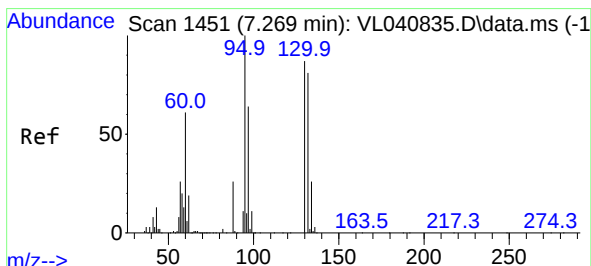
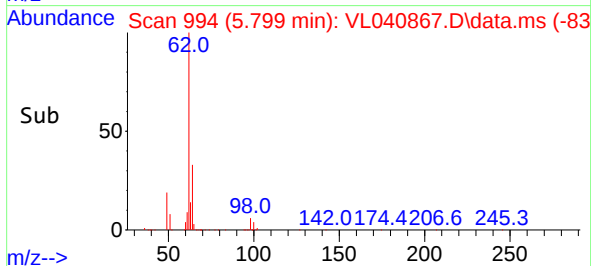
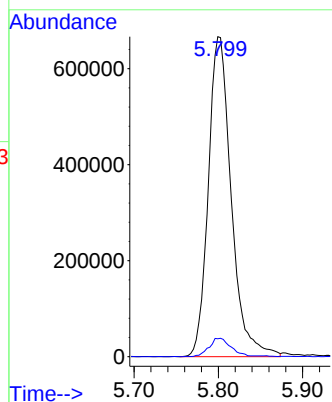
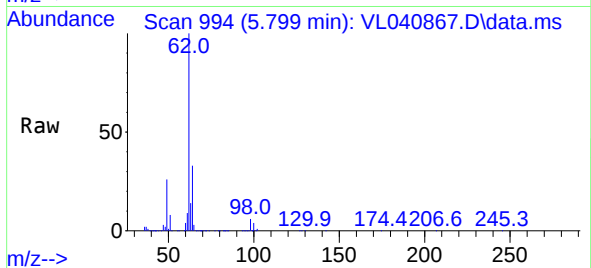
#37
1,2-Dichloroethane
Concen: 9.927 ppbv
RT: 5.799 min Scan# 990
Delta R.T. 0.013 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 62 Resp: 1262210
Ion Ratio Lower Upper
62 100
98 5.8 4.6 6.8

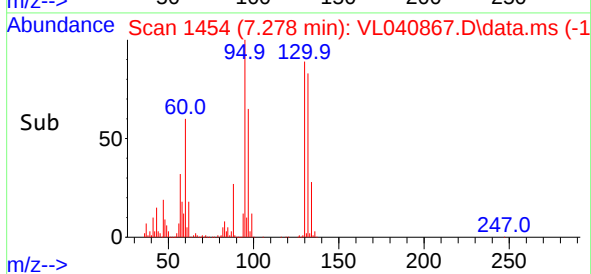
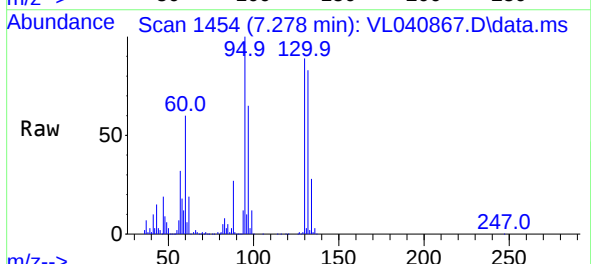
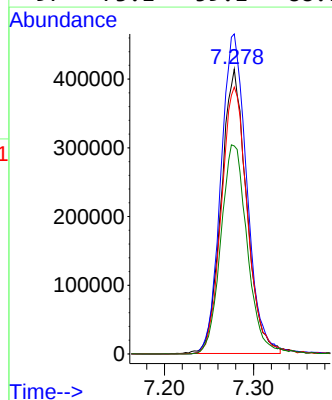
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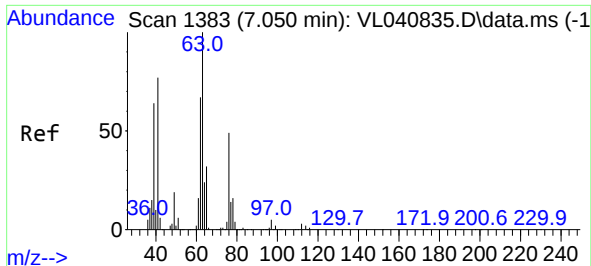
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#38
Trichloroethene
Concen: 9.776 ppbv
RT: 7.278 min Scan# 1454
Delta R.T. 0.010 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion:130 Resp: 819197
Ion Ratio Lower Upper
130 100
95 112.5 92.4 138.6
132 93.8 75.1 112.7
97 73.1 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.708 ppbv

RT: 7.063 min Scan# 1451

Delta R.T. 0.013 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 63 Resp: 829840

Ion Ratio Lower Upper

63 100

41 73.8 61.5 92.3

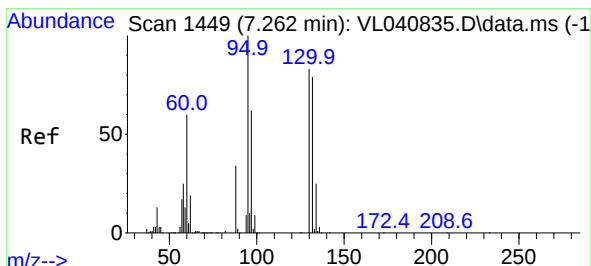
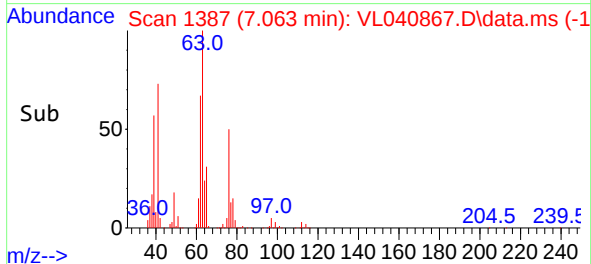
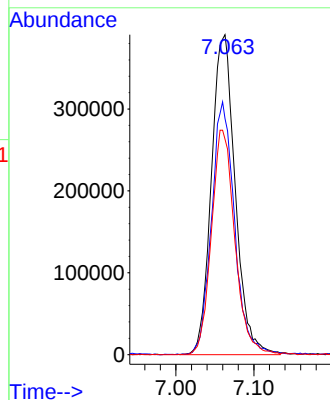
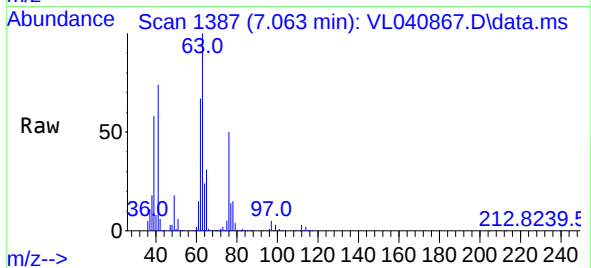
62 67.2 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#40

1,4-Dioxane

Concen: 9.498 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Tgt Ion: 88 Resp: 322147

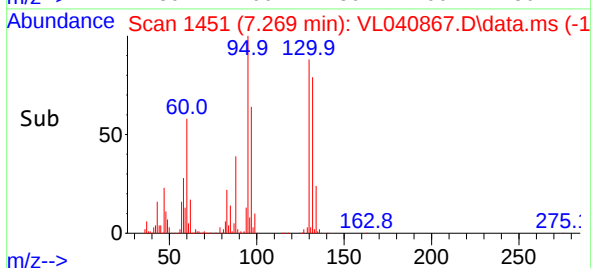
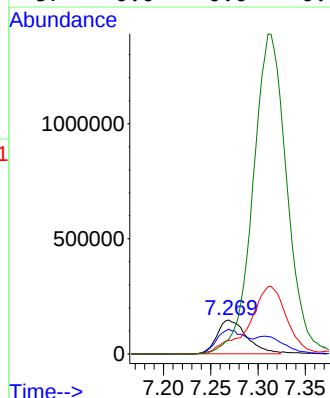
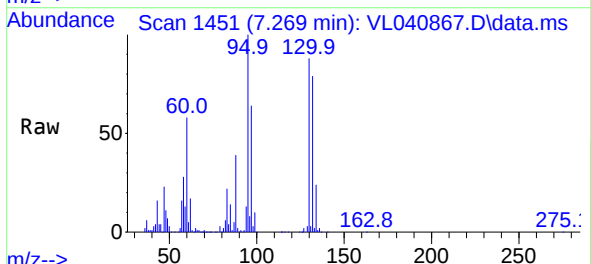
Ion Ratio Lower Upper

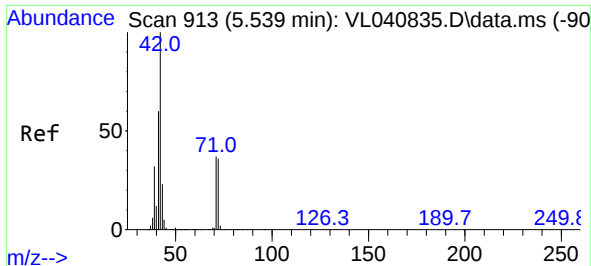
88 100

58 122.6 101.0 151.6

43 0.0 0.0 0.0

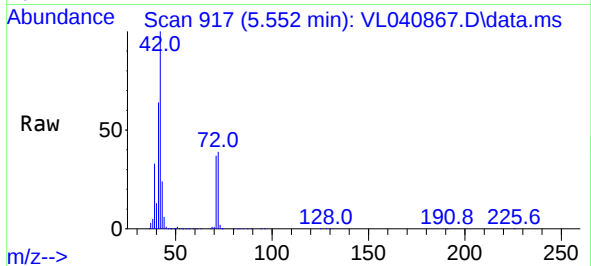
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.535 ppbv
RT: 5.552 min Scan# 913
Delta R.T. 0.013 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

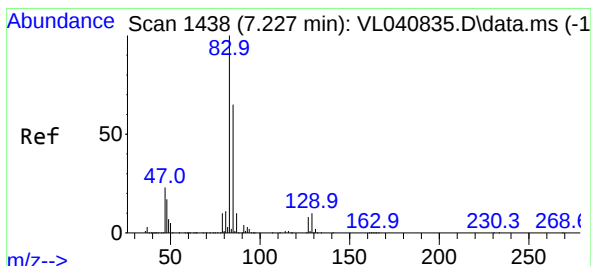
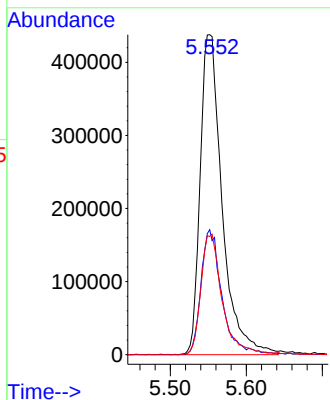
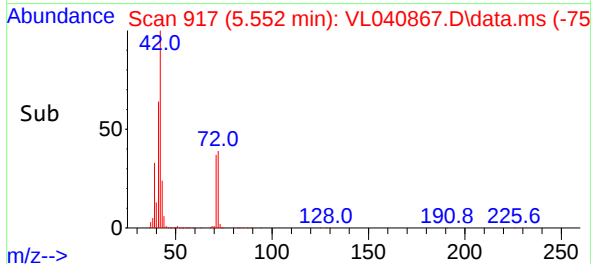
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



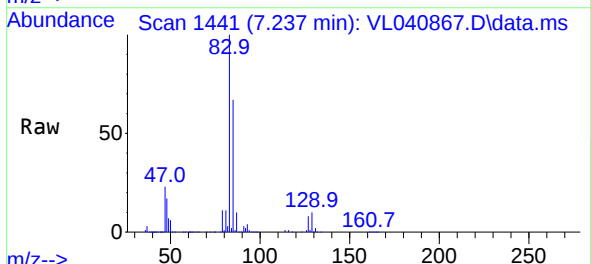
Tgt Ion: 42 Resp: 877738
Ion Ratio Lower Upper
42 100
72 37.7 30.8 46.2
71 36.9 30.0 45.0

Manual Integrations
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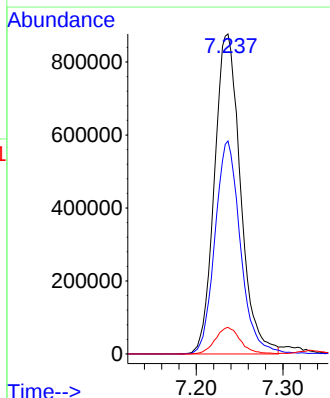
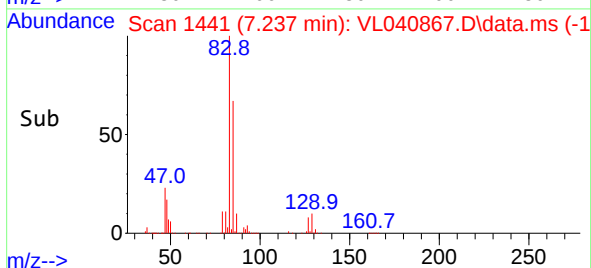
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

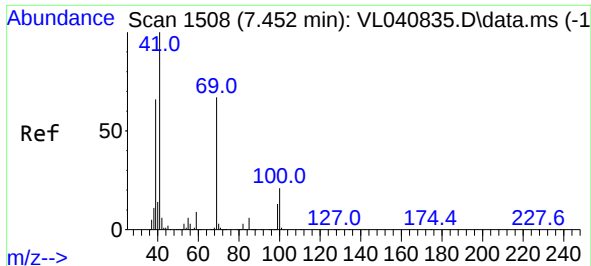


#42
Bromodichloromethane
Concen: 10.060 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.010 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



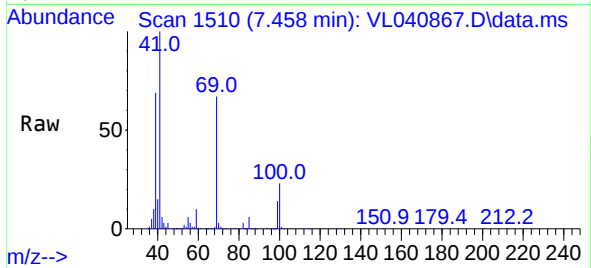
Tgt Ion: 83 Resp: 1830459
Ion Ratio Lower Upper
83 100
85 66.5 52.3 78.5
127 8.3 6.6 10.0





#43
Methyl Methacrylate
Concen: 10.612 ppbv
RT: 7.458 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

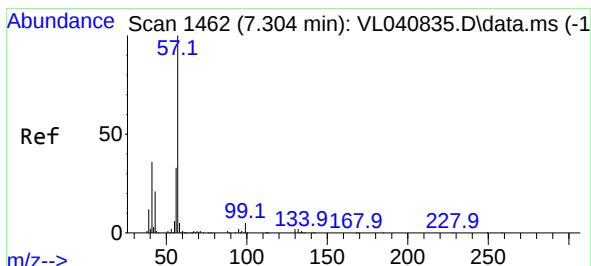
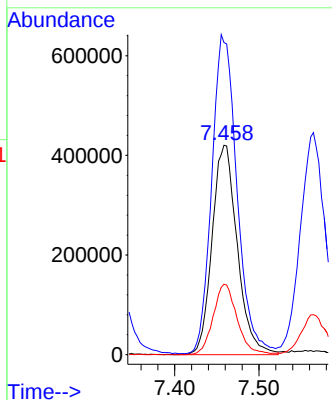
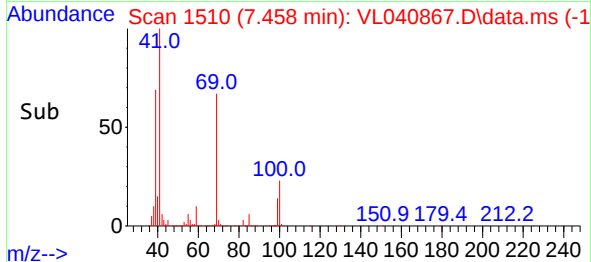
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



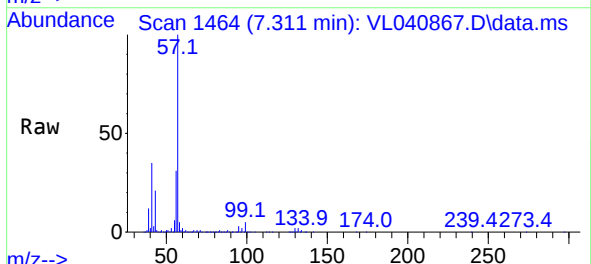
Tgt Ion: 69 Resp: 871744
Ion Ratio Lower Upper
69 100
41 153.3 123.0 184.4
100 31.9 25.4 38.2

Manual Integrations
APPROVED

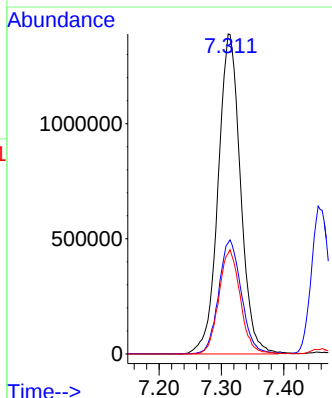
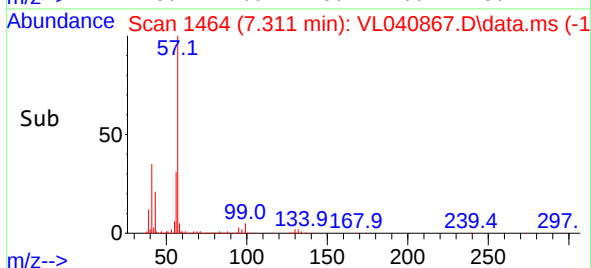
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

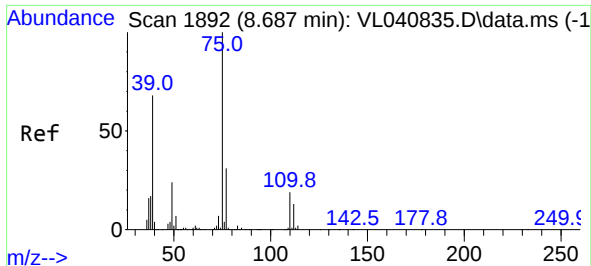


#44
2,2,4-Trimethylpentane
Concen: 9.663 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 57 Resp: 3460222
Ion Ratio Lower Upper
57 100
41 36.1 29.0 43.6
56 31.3 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 12.093 ppbv

RT: 8.693 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 75 Resp: 583784

Ion Ratio Lower Upper

75 100

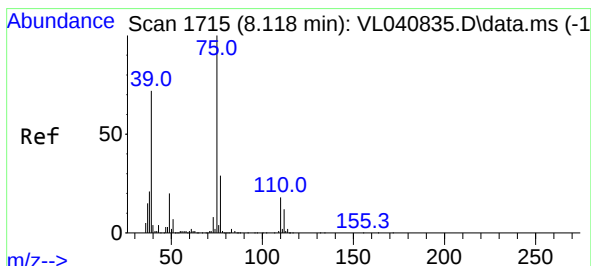
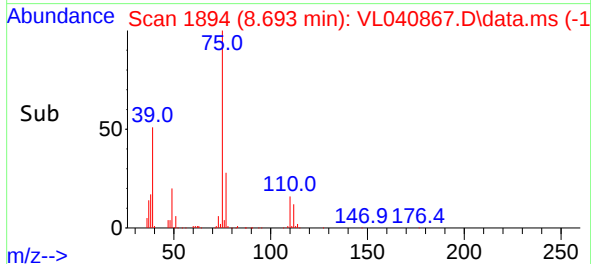
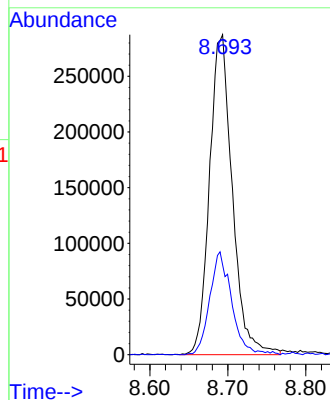
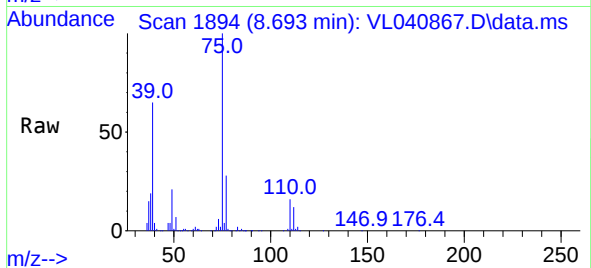
77 28.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#46

cis-1,3-Dichloropropene

Concen: 11.179 ppbv

RT: 8.124 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

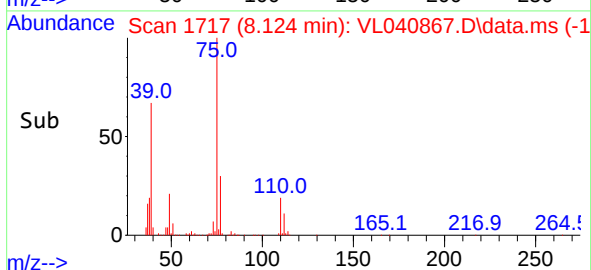
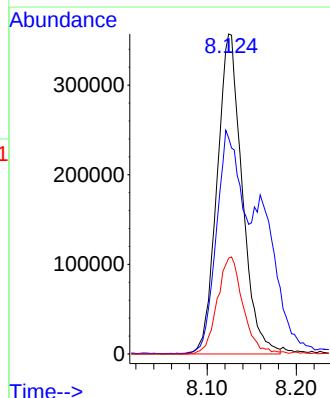
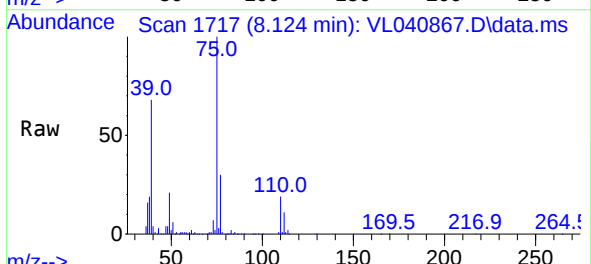
Tgt Ion: 75 Resp: 699737

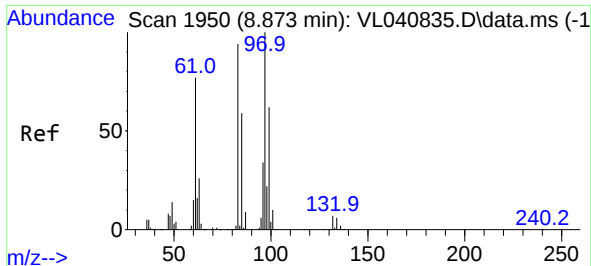
Ion Ratio Lower Upper

75 100

39 67.2 57.3 85.9

77 30.0 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 9.842 ppbv

RT: 8.876 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion: 97 Resp: 881518

Ion Ratio Lower Upper

97 100

83 93.4 74.8 112.2

85 58.8 47.4 71.0

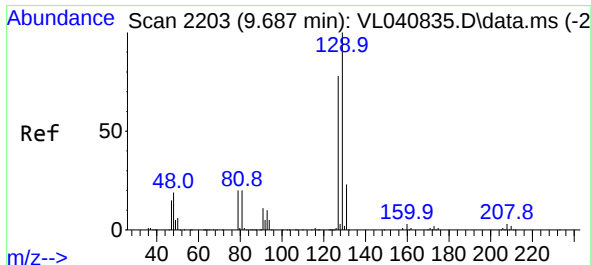
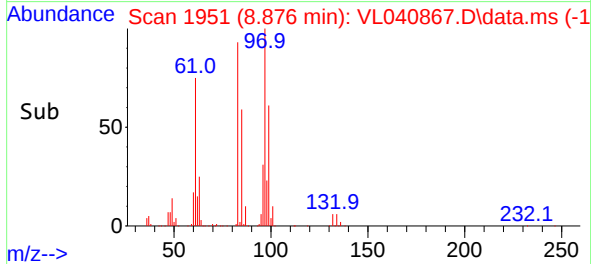
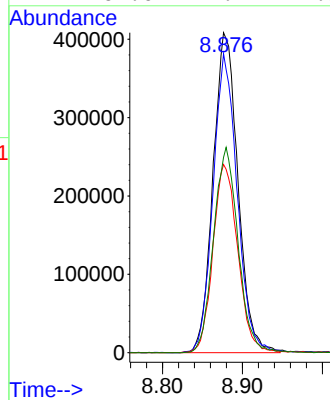
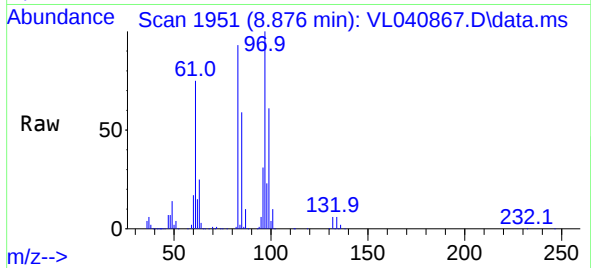
99 61.0 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#48

Dibromochloromethane

Concen: 10.574 ppbv

RT: 9.687 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VL040867.D

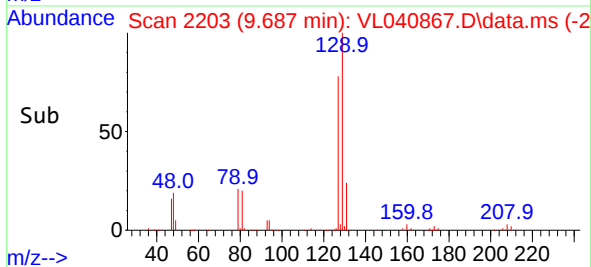
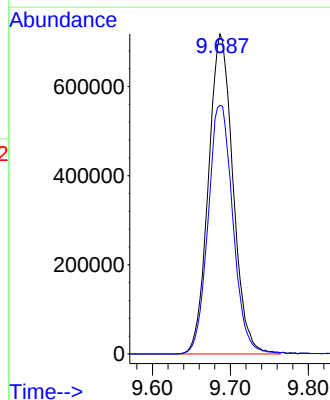
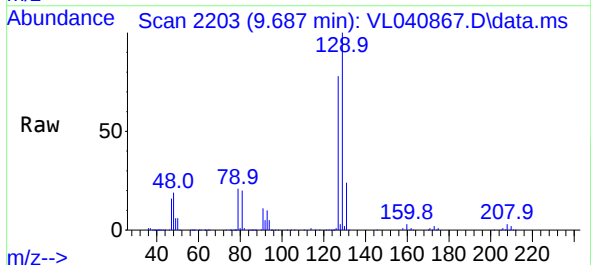
Acq: 15 Nov 2023 12:39

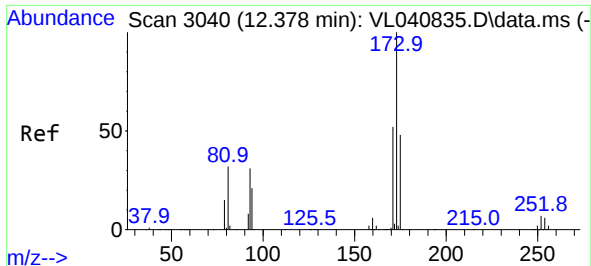
Tgt Ion:129 Resp: 1571426

Ion Ratio Lower Upper

129 100

127 79.0 39.3 117.9





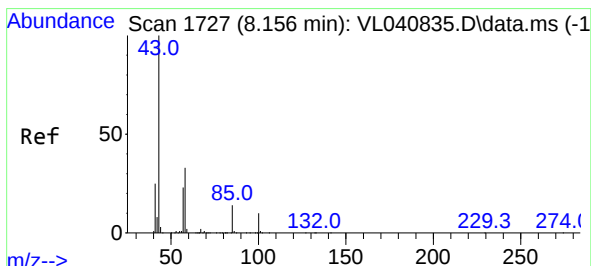
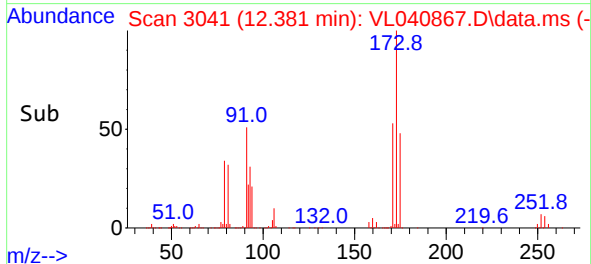
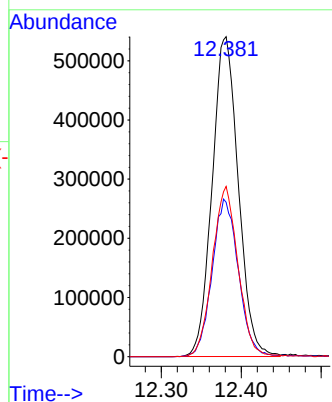
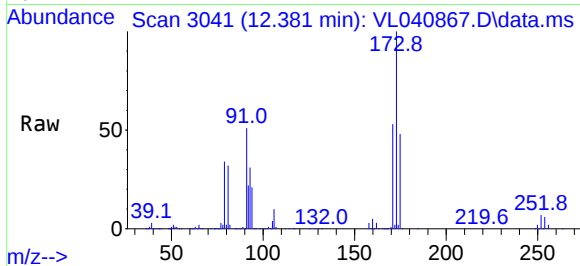
#49
Bromoform
Concen: 10.992 ppbv
RT: 12.381 min Scan# 3040
Delta R.T. 0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion:173 Resp: 122867
Ion Ratio Lower Upper
173 100
175 49.9 39.0 58.6
171 52.3 41.8 62.6

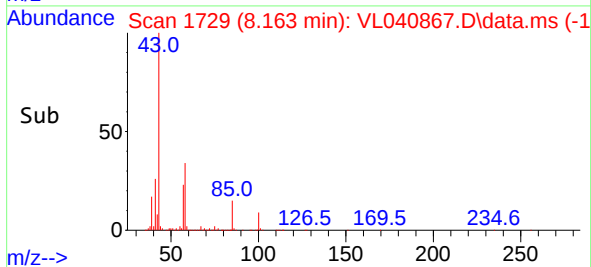
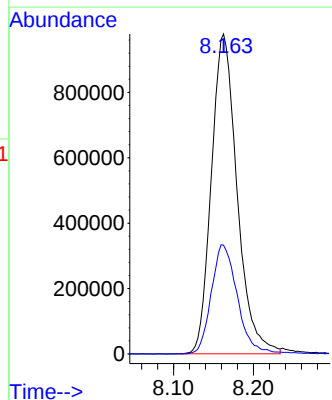
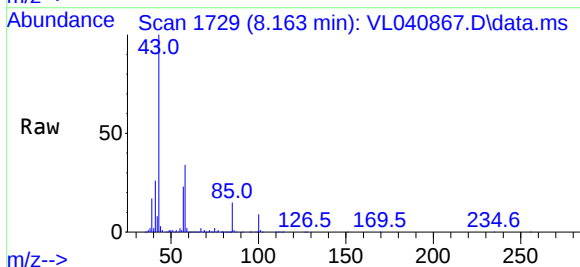
Manual Integrations
APPROVED

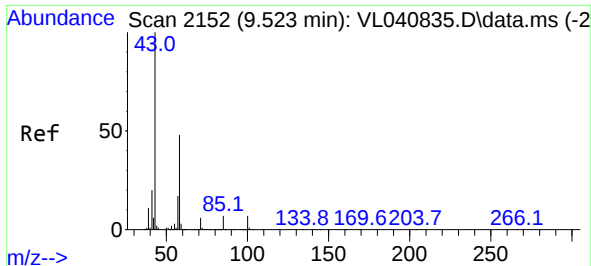
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#50
4-Methyl-2-Pentanone
Concen: 10.431 ppbv
RT: 8.163 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

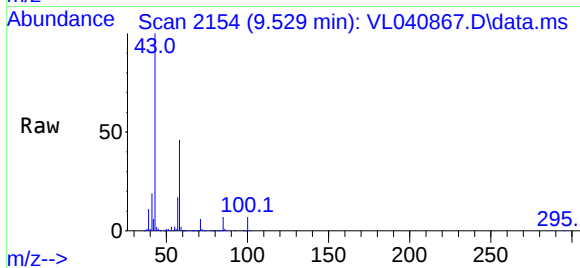
Tgt Ion: 43 Resp: 2184404
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.6





#51
2-Hexanone
Concen: 10.925 ppbv
RT: 9.529 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

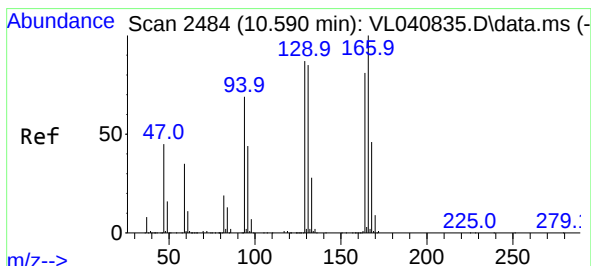
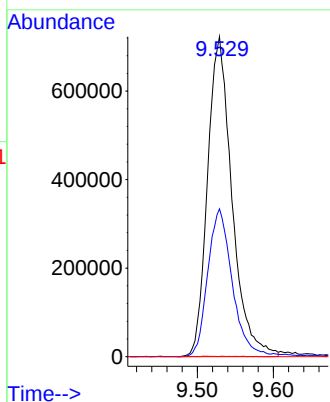
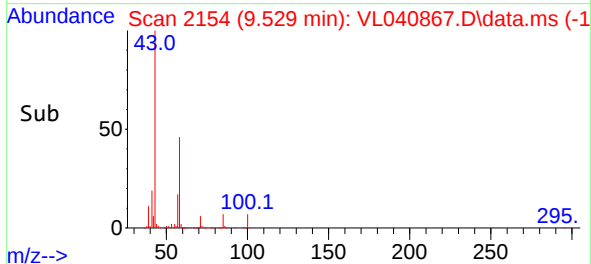
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



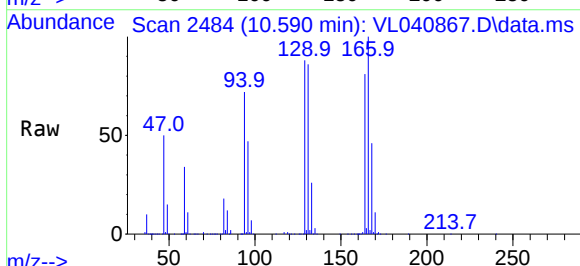
Tgt Ion: 43 Resp: 1612704
Ion Ratio Lower Upper
43 100
58 47.3 37.4 56.2
98 0.1 0.2 0.2

Manual Integrations
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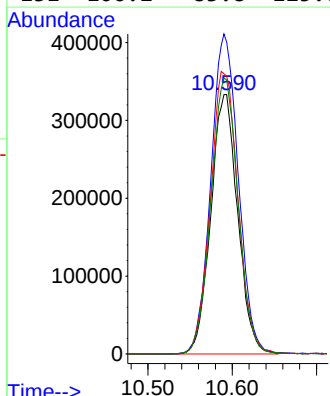
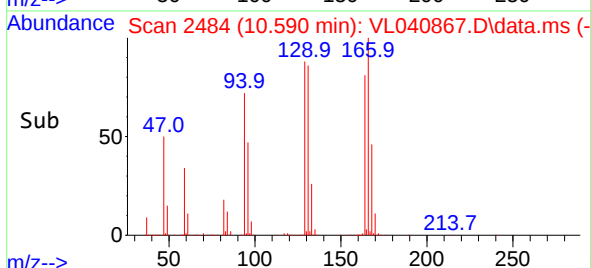
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

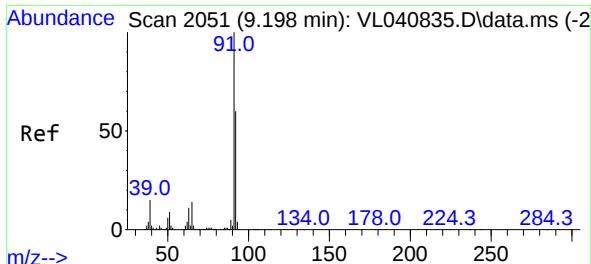


#52
Tetrachloroethene
Concen: 10.154 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



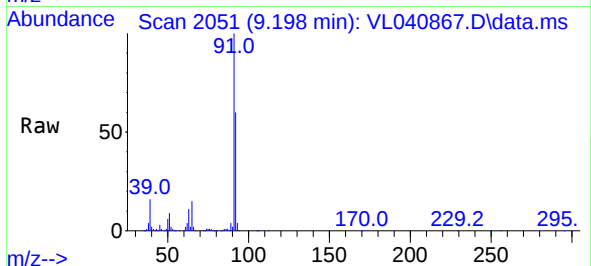
Tgt Ion:164 Resp: 737106
Ion Ratio Lower Upper
164 100
166 123.3 98.3 147.5
129 107.9 85.1 127.7
131 106.2 83.8 125.6





#53
Toluene
Concen: 10.198 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

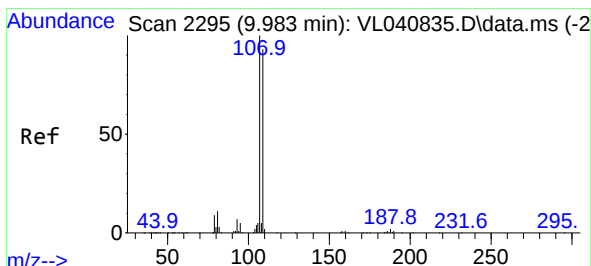
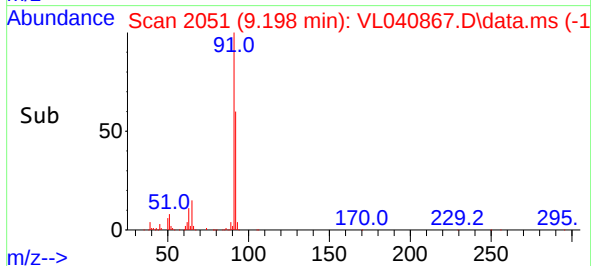
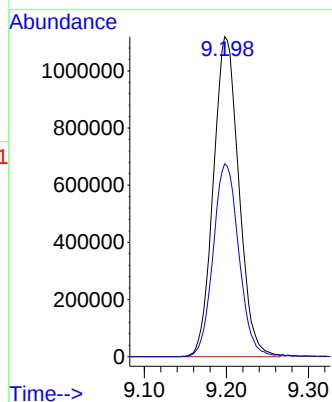
Instrument : MSVOA_L
ClientSampleId : VL1115ABS01



Tgt Ion: 91 Resp: 241936
Ion Ratio Lower Upper
91 100
92 61.0 49.4 74.2

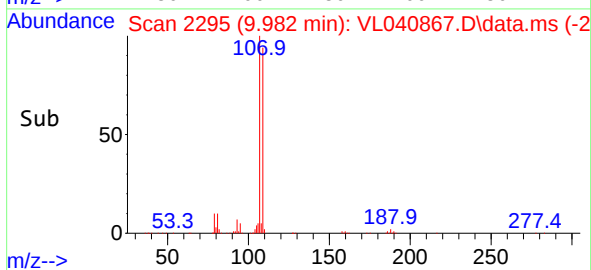
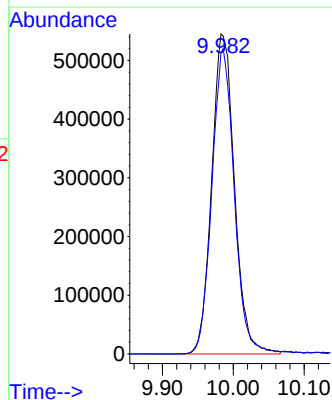
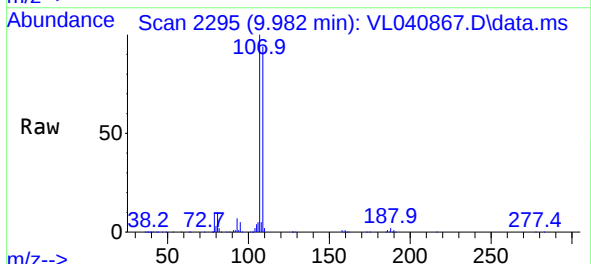
Manual Integrations
APPROVED

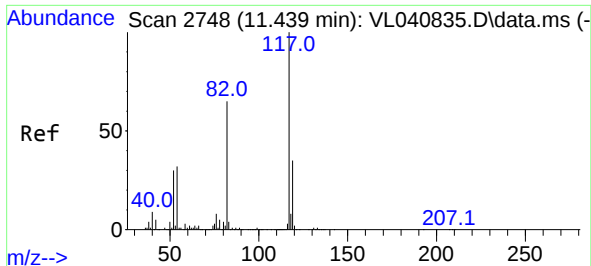
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#54
1,2-Dibromoethane
Concen: 10.560 ppbv
RT: 9.982 min Scan# 2295
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

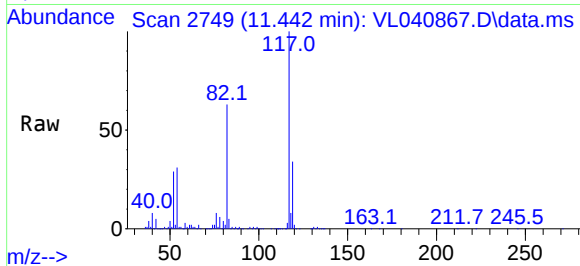
Tgt Ion:107 Resp: 1217196
Ion Ratio Lower Upper
107 100
109 94.2 74.5 111.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

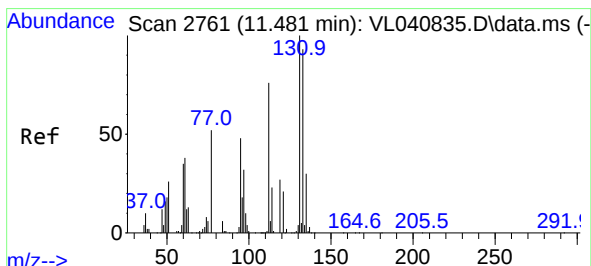
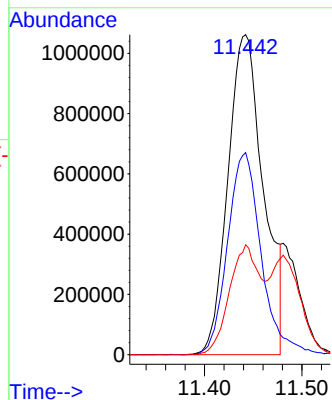
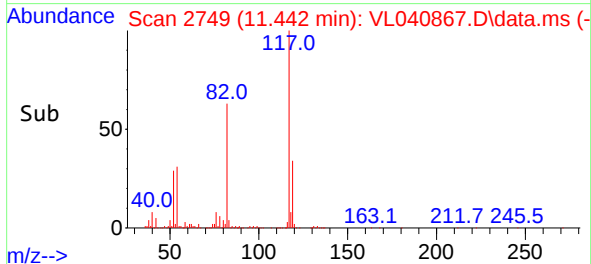
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



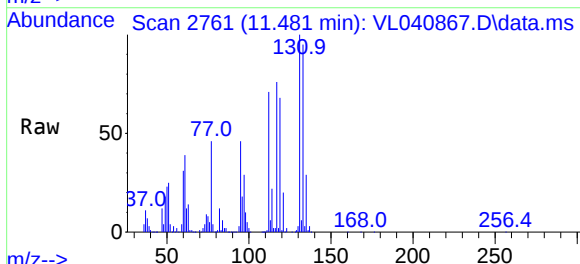
Tgt Ion:117 Resp: 269152
Ion Ratio Lower Upper
117 100
82 60.1 50.6 75.8
119 31.1 23.3 34.9

Manual Integrations
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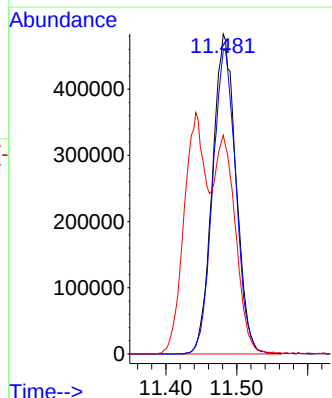
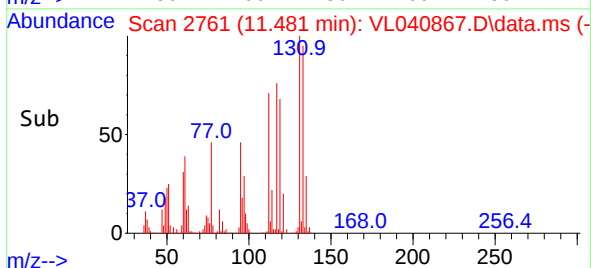
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

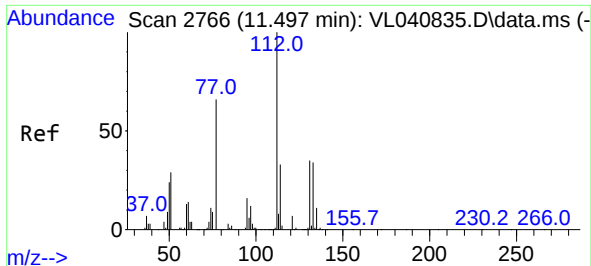


#56
1,1,1,2-Tetrachloroethane
Concen: 9.658 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



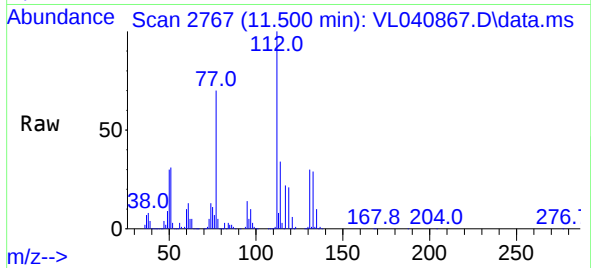
Tgt Ion:131 Resp: 1112550
Ion Ratio Lower Upper
131 100
133 94.1 76.4 114.6
119 60.0 51.1 76.7





#57
Chlorobenzene
Concen: 9.227 ppbv
RT: 11.500 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

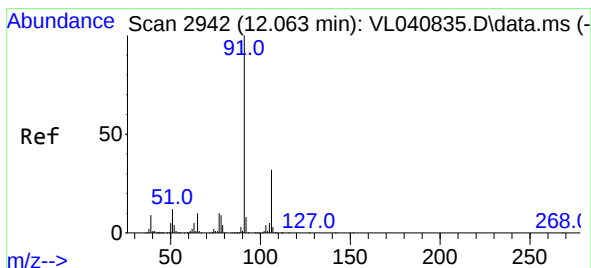
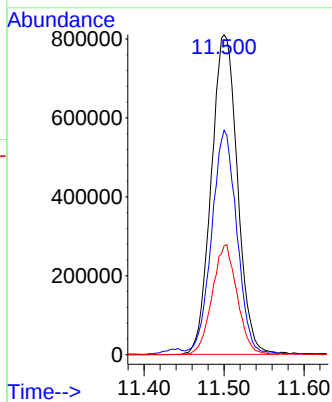
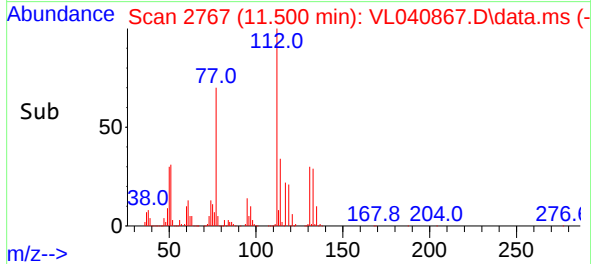
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



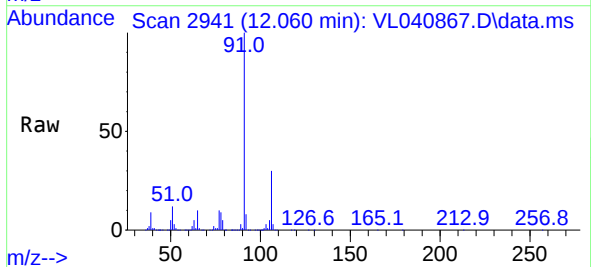
Tgt Ion: 112 Resp: 184075
Ion Ratio Lower Upper
112 100
77 69.7 53.3 79.9
114 33.9 29.3 35.9

Manual Integrations
APPROVED

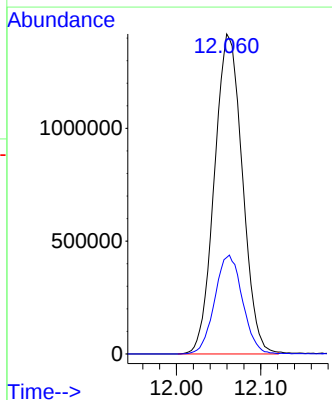
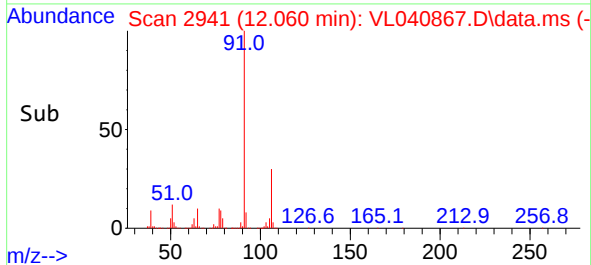
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

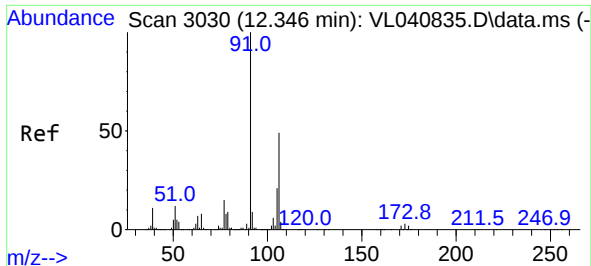


#58
Ethyl Benzene
Concen: 9.295 ppbv
RT: 12.060 min Scan# 2941
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 91 Resp: 3264261
Ion Ratio Lower Upper
91 100
106 30.2 25.2 37.8





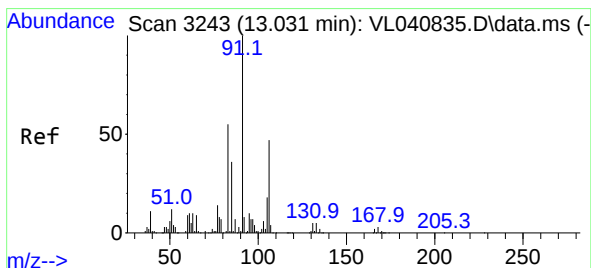
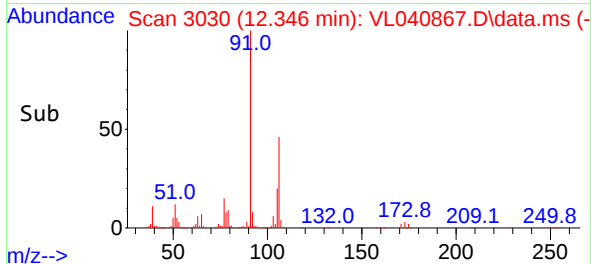
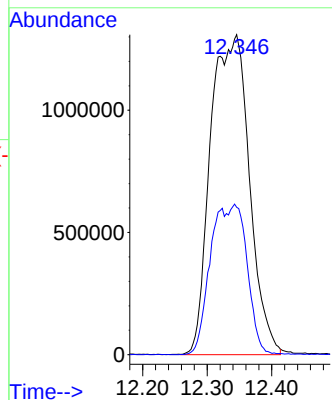
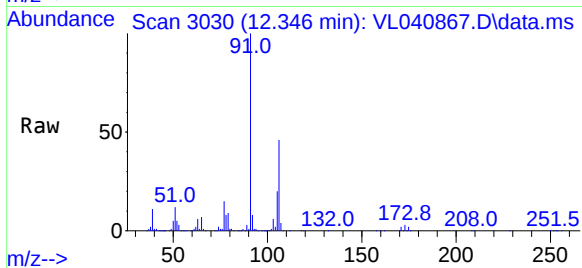
#59
m/p-Xylene
Concen: 18.289 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 91 Resp: 546928
Ion Ratio Lower Upper
91 100
106 44.4 35.4 53.0

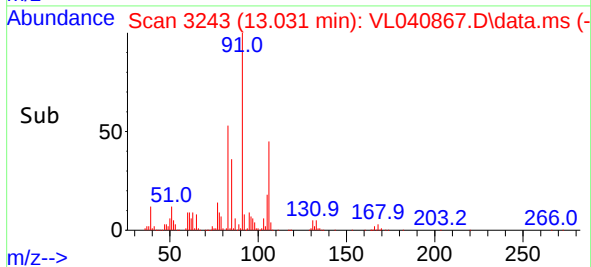
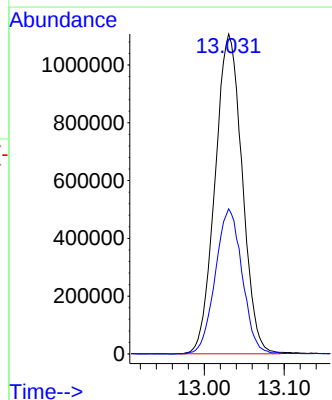
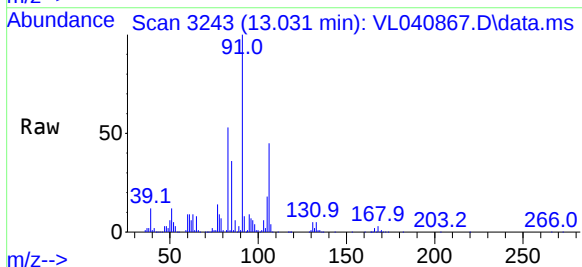
Manual Integrations
APPROVED

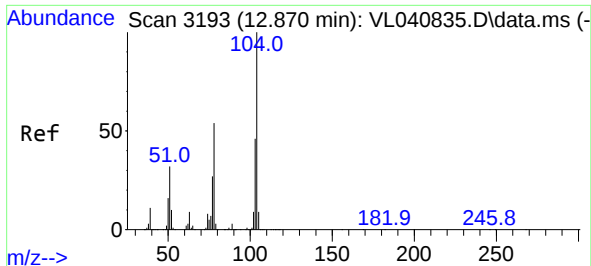
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#60
o-Xylene
Concen: 9.144 ppbv
RT: 13.031 min Scan# 3243
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

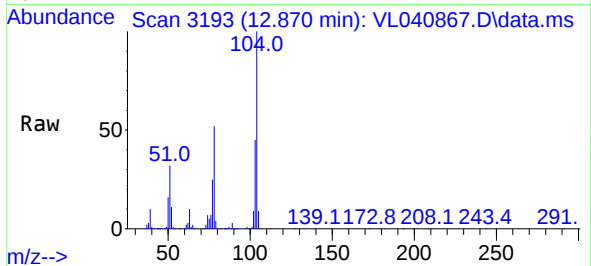
Tgt Ion: 91 Resp: 2603166
Ion Ratio Lower Upper
91 100
106 45.1 22.9 68.5





#61
Styrene
Concen: 10.096 ppbv
RT: 12.870 min Scan# 3193
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

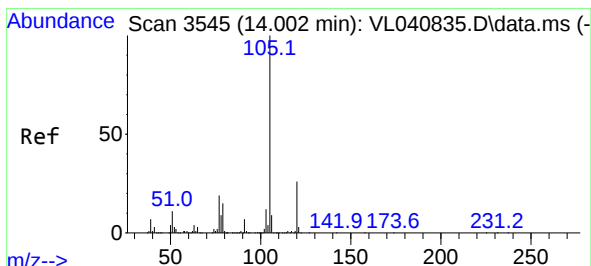
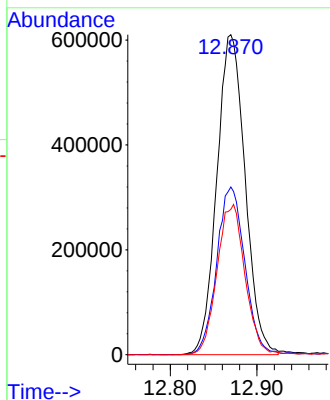
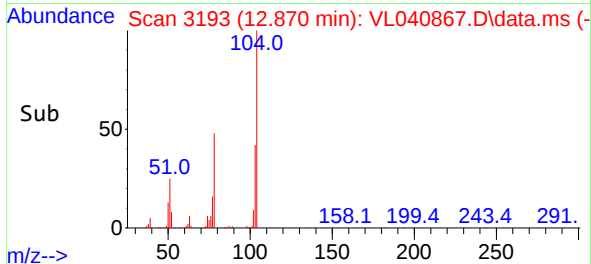
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



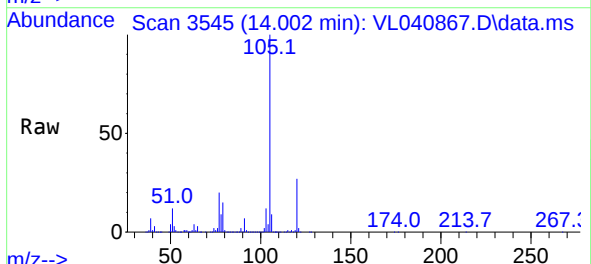
Tgt Ion:104 Resp: 1386094
Ion Ratio Lower Upper
104 100
78 52.5 43.3 64.9
103 46.6 37.6 56.4

Manual Integrations
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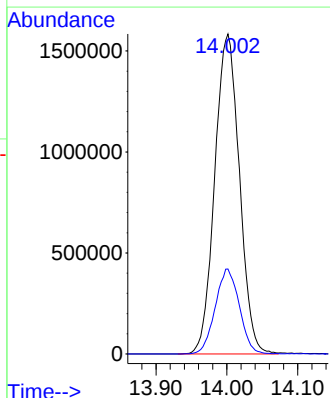
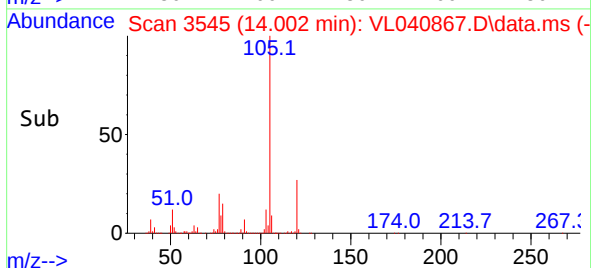
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

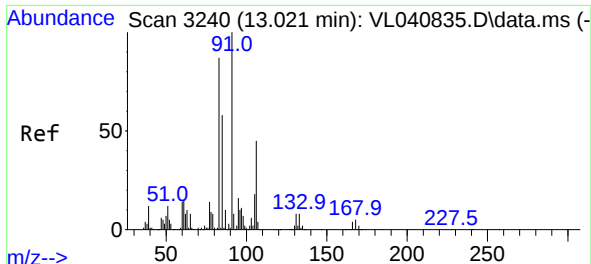


#62
Isopropylbenzene
Concen: 9.099 ppbv
RT: 14.002 min Scan# 3545
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



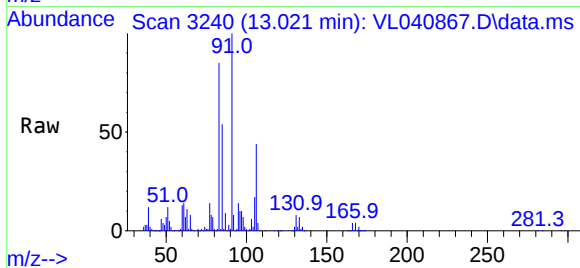
Tgt Ion:105 Resp: 3826961
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 9.232 ppbv
RT: 13.021 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

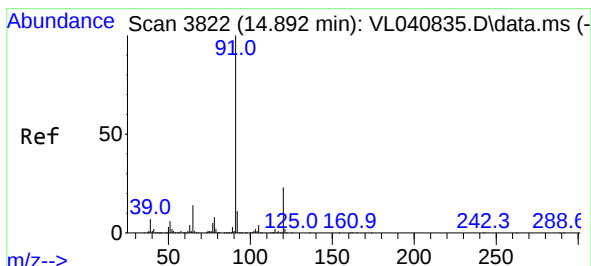
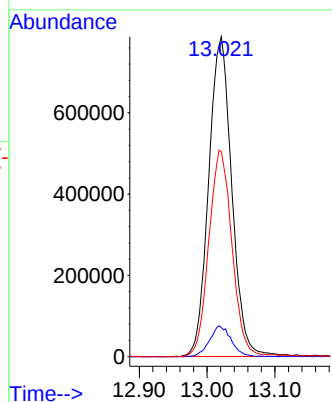
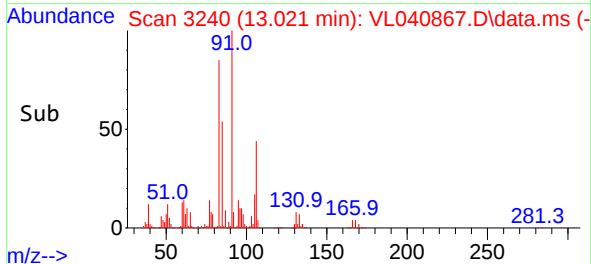
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



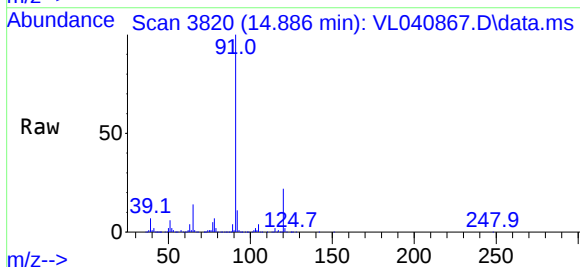
Tgt Ion: 83 Resp: 1862764
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.7
85 65.1 32.9 98.7

Manual Integrations
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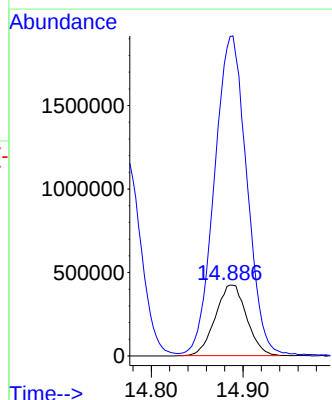
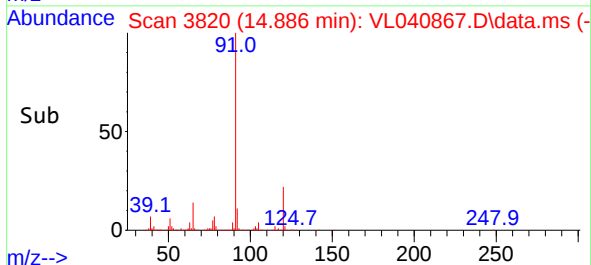
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

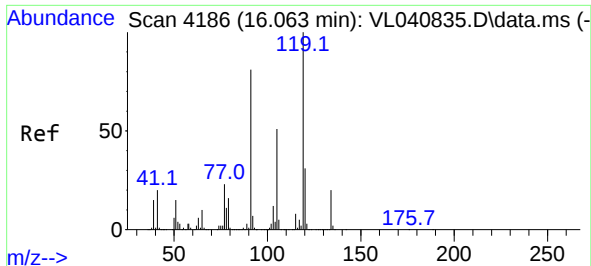


#64
n-propylbenzene
Concen: 9.505 ppbv
RT: 14.886 min Scan# 3820
Delta R.T. -0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion:120 Resp: 1001945
Ion Ratio Lower Upper
120 100
91 473.0 381.1 571.7





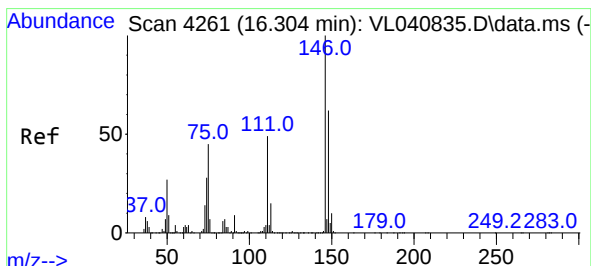
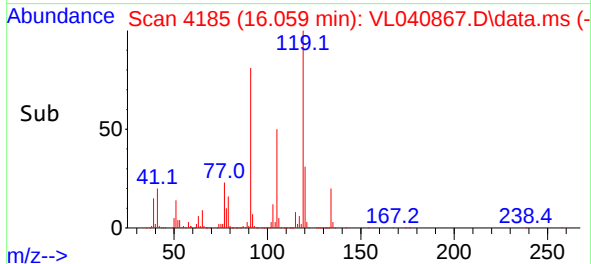
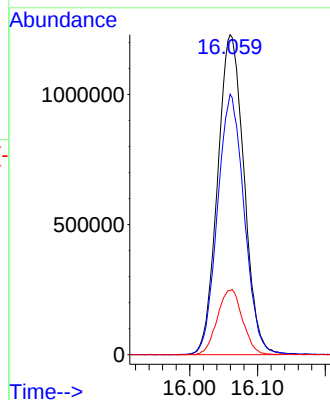
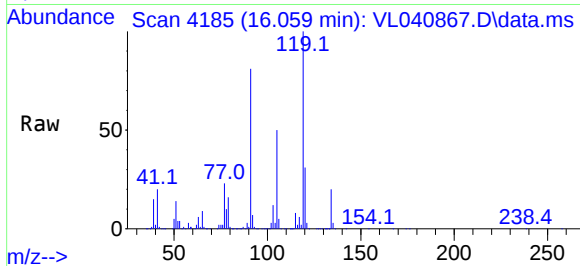
#65
tert-Butylbenzene
Concen: 9.385 ppbv
RT: 16.059 min Scan# 4186
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 119 Resp: 3328250
Ion Ratio Lower Upper
119 100
91 82.4 67.5 101.3
134 19.5 15.9 23.9

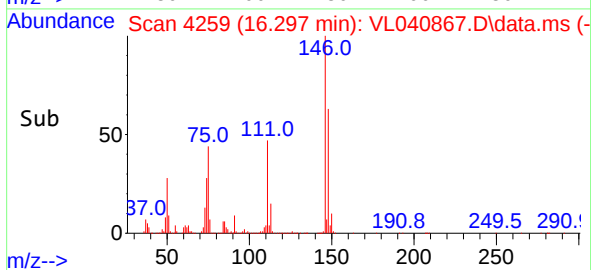
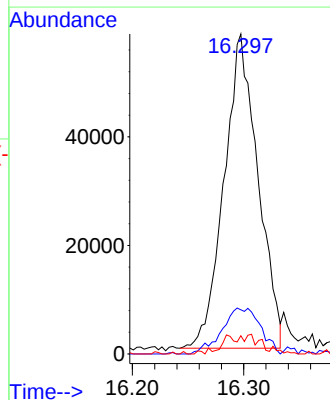
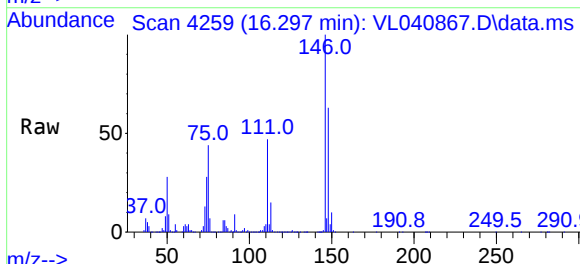
Manual Integrations
APPROVED

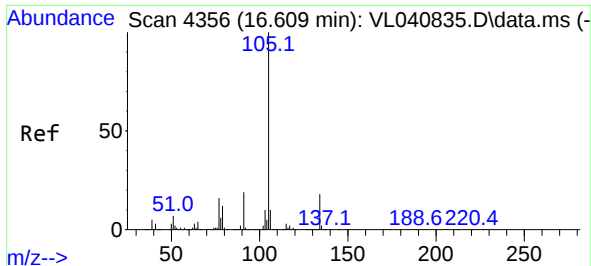
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#66
Benzyl Chloride
Concen: 9.350 ppbv
RT: 16.297 min Scan# 4259
Delta R.T. -0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion: 91 Resp: 122183
Ion Ratio Lower Upper
91 100
126 17.4 12.8 19.2
128 6.6 0.0 0.0





#67

sec-Butylbenzene

Concen: 9.218 ppbv

RT: 16.606 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion:105 Resp: 466975

Ion Ratio Lower Upper

105 100

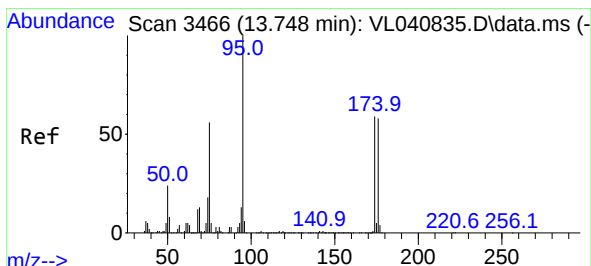
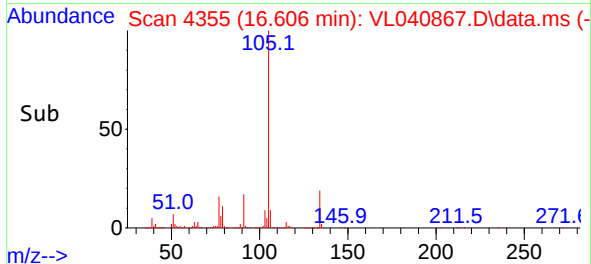
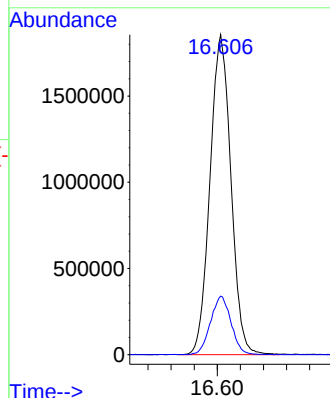
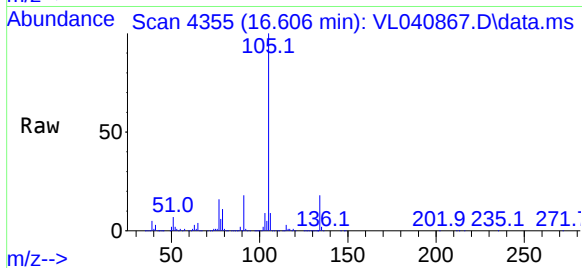
134 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.292 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. -0.000 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

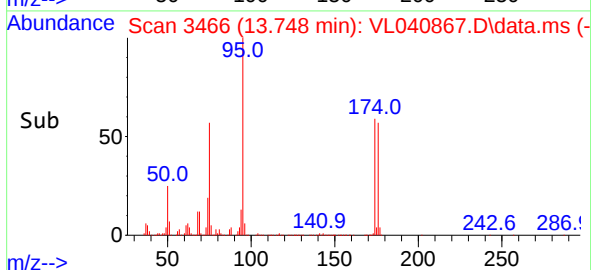
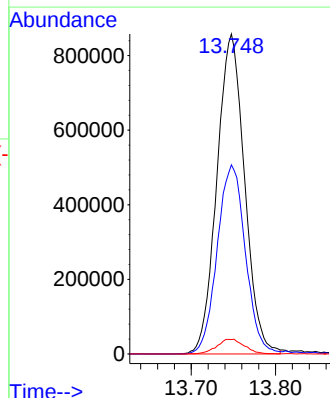
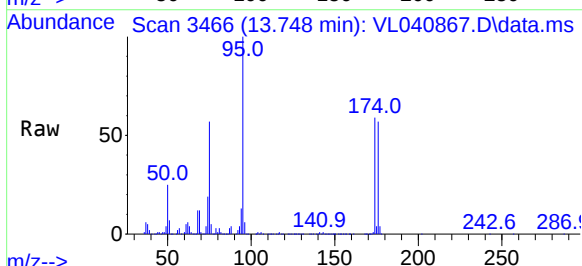
Tgt Ion: 95 Resp: 1958056

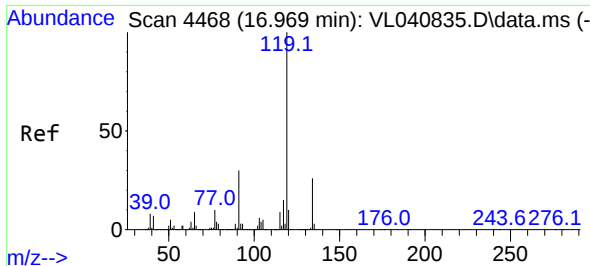
Ion Ratio Lower Upper

95 100

174 61.0 47.5 71.3

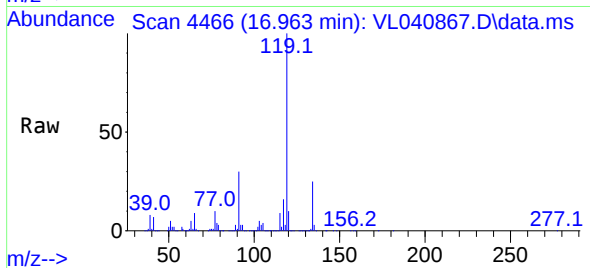
175 4.7 3.6 5.4





#69
p-Isopropyltoluene
Concen: 9.375 ppbv
RT: 16.963 min Scan# 4468
Delta R.T. -0.006 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

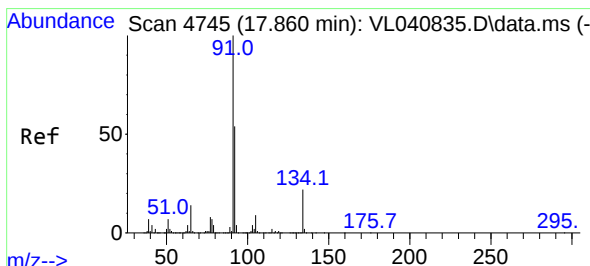
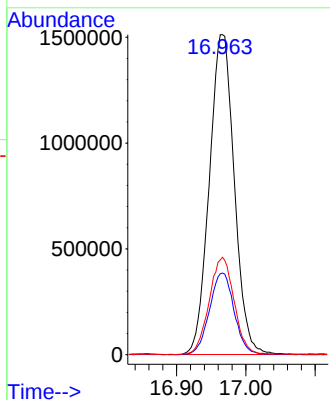
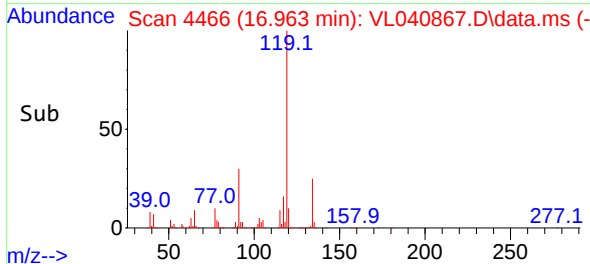
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



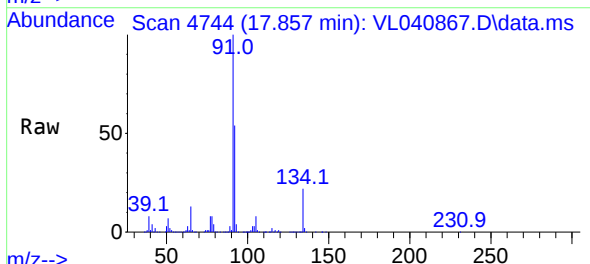
Tgt Ion: 119 Resp: 378700
Ion Ratio Lower Upper
119 100
134 25.3 20.5 30.7
91 30.4 24.7 37.1

Manual Integrations
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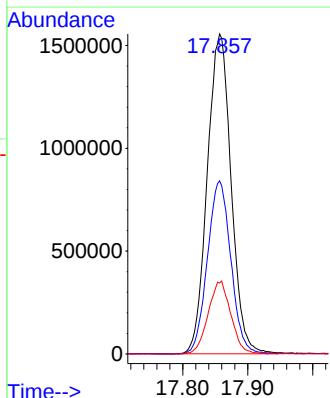
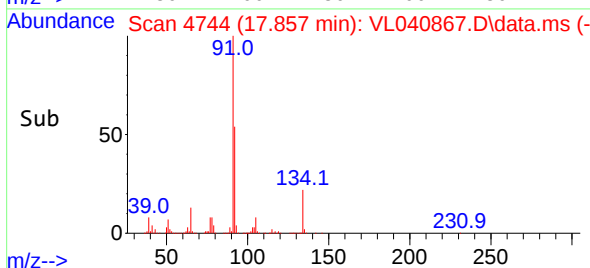
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

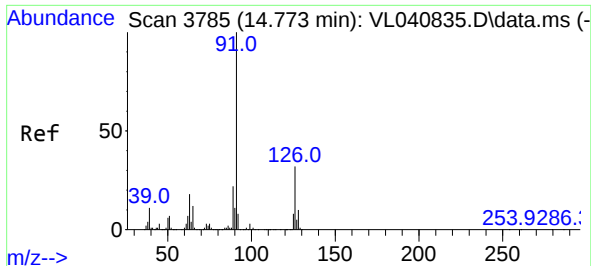


#70
n-Butylbenzene
Concen: 9.295 ppbv
RT: 17.857 min Scan# 4744
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



Tgt Ion: 91 Resp: 3965168
Ion Ratio Lower Upper
91 100
92 53.4 43.4 65.2
134 21.8 17.4 26.0





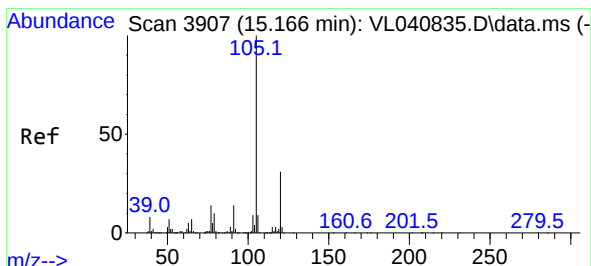
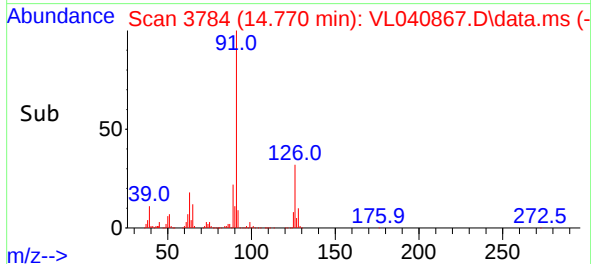
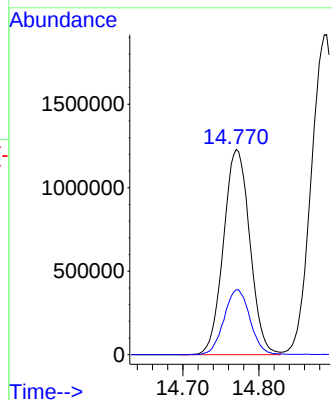
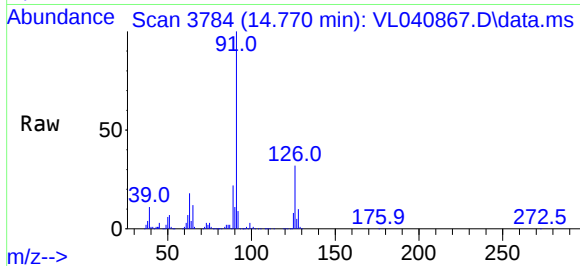
#71
2-Chlorotoluene
Concen: 9.233 ppbv
RT: 14.770 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion: 91 Resp: 2960224
Ion Ratio Lower Upper
91 100
126 31.4 12.1 48.5

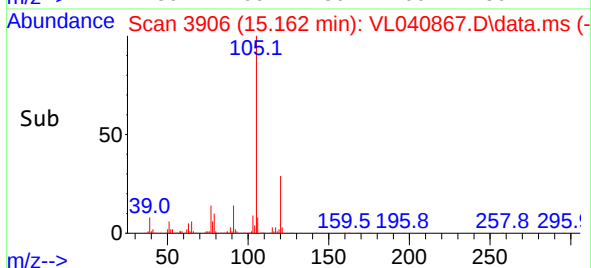
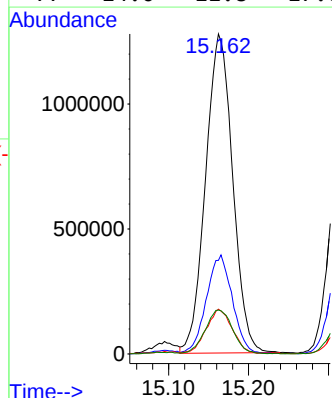
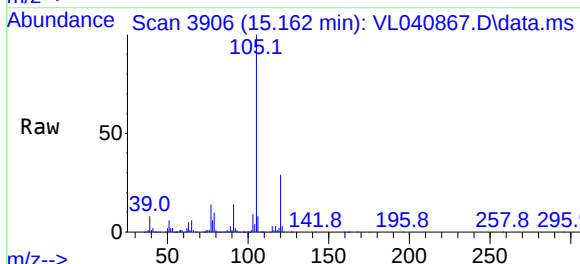
Manual Integrations
APPROVED

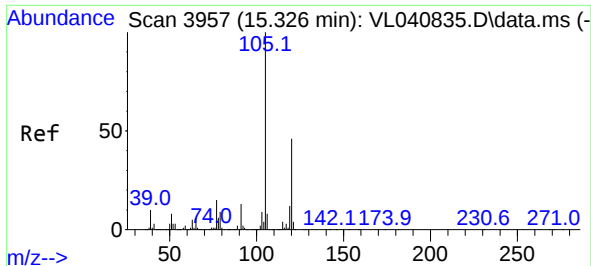
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#72
4-Ethyltoluene
Concen: 9.610 ppbv
RT: 15.162 min Scan# 3906
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion:105 Resp: 3007654
Ion Ratio Lower Upper
105 100
120 30.1 24.5 36.7
91 13.3 10.6 16.0
77 14.0 11.8 17.6





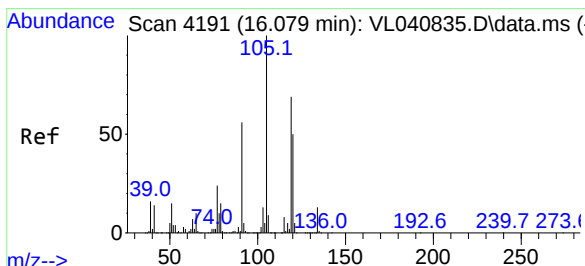
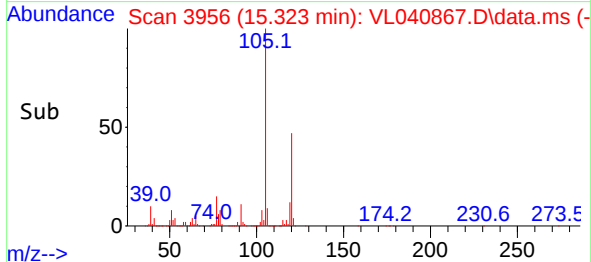
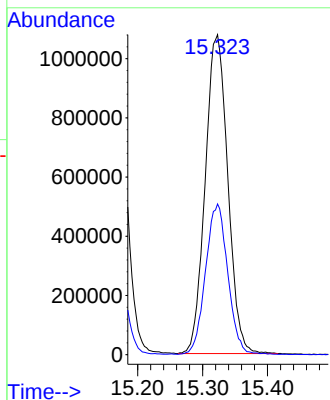
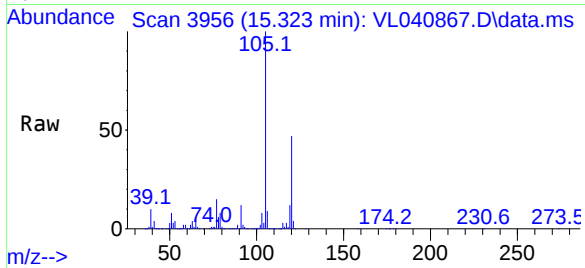
#73
1,3,5-Trimethylbenzene
Concen: 9.408 ppbv
RT: 15.323 min Scan# 3957
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01

Tgt Ion:105 Resp: 260397
Ion Ratio Lower Upper
105 100
120 47.1 36.8 55.2

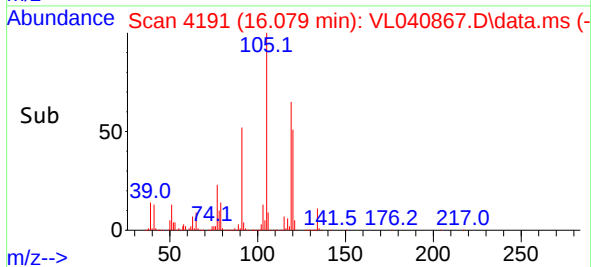
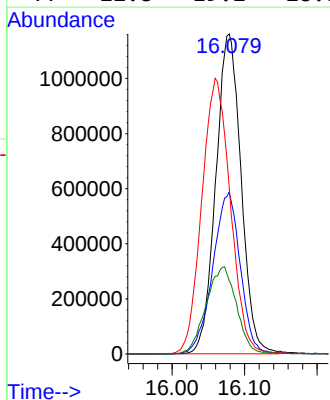
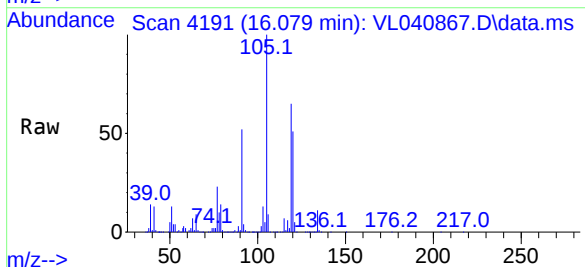
Manual Integrations
APPROVED

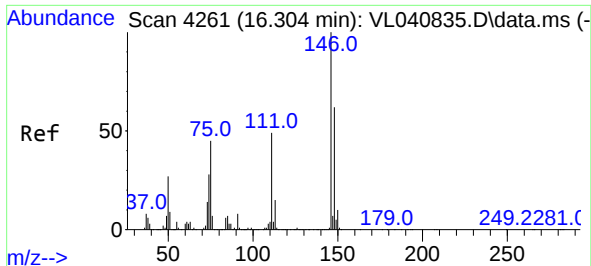
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023



#74
1,2,4-Trimethylbenzene
Concen: 9.120 ppbv
RT: 16.079 min Scan# 4191
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

Tgt Ion:105 Resp: 2817016
Ion Ratio Lower Upper
105 100
120 50.5 40.2 60.2
91 51.8 45.7 68.5
77 22.8 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 9.429 ppbv

RT: 16.301 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

Instrument :

MSVOA_L

ClientSampleId :

VL1115ABS01

Tgt Ion:146 Resp: 160811

Ion Ratio Lower Upper

146 100

111 48.1 24.9 74.8

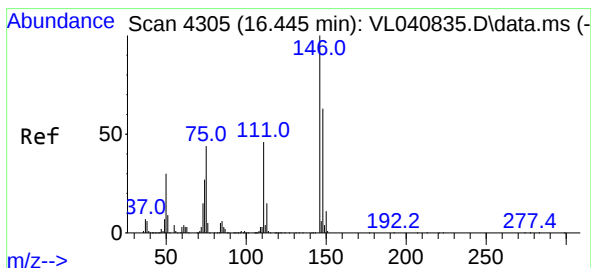
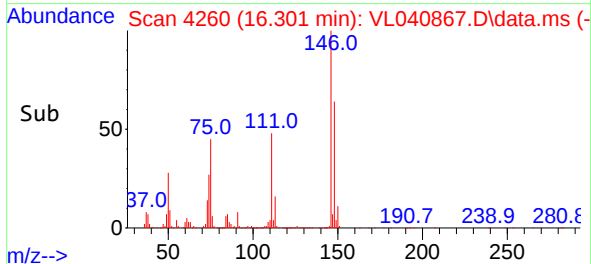
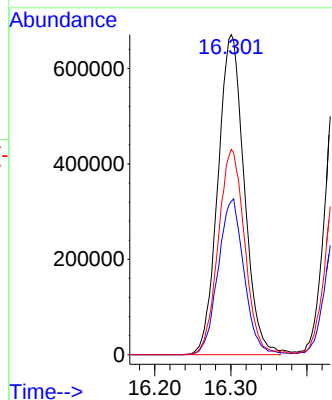
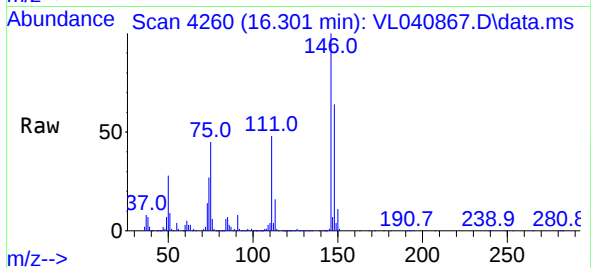
148 64.8 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/22/2023

Supervised By :Mahesh Dadoda 11/22/2023



#76

1,4-Dichlorobenzene

Concen: 9.450 ppbv

RT: 16.442 min Scan# 4304

Delta R.T. -0.003 min

Lab File: VL040867.D

Acq: 15 Nov 2023 12:39

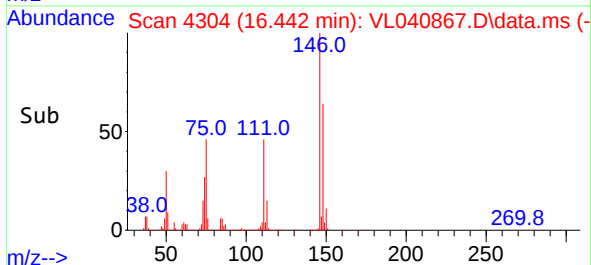
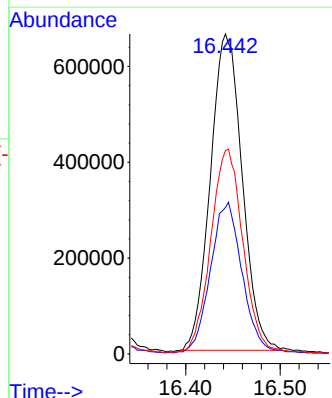
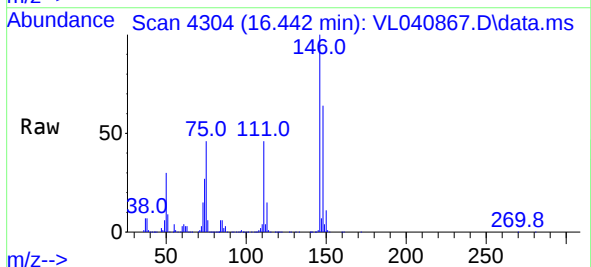
Tgt Ion:146 Resp: 1542951

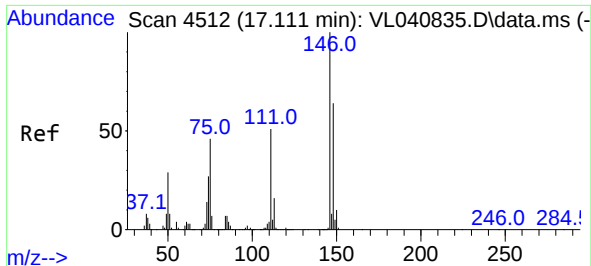
Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.4

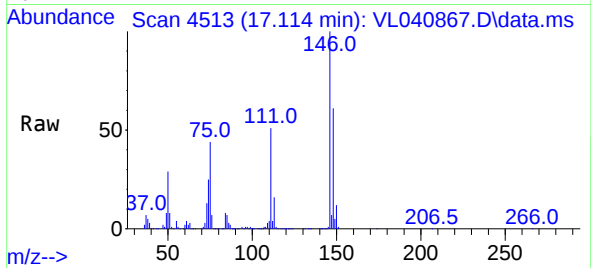
148 66.6 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 9.284 ppbv
RT: 17.114 min Scan# 4512
Delta R.T. 0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

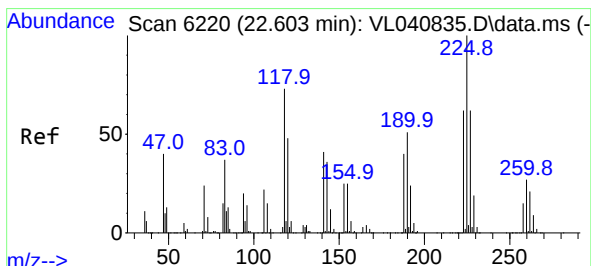
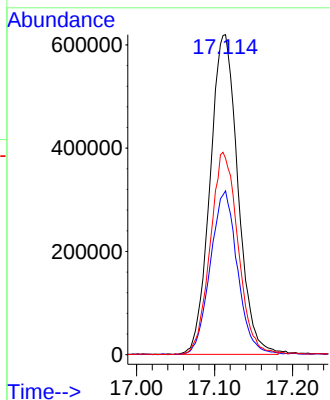
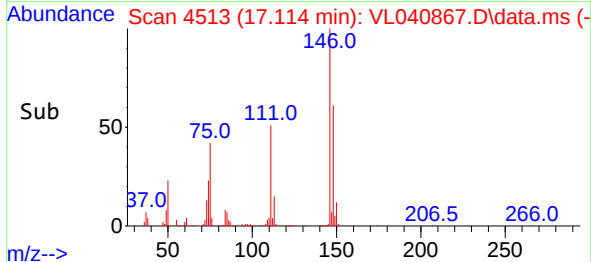
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



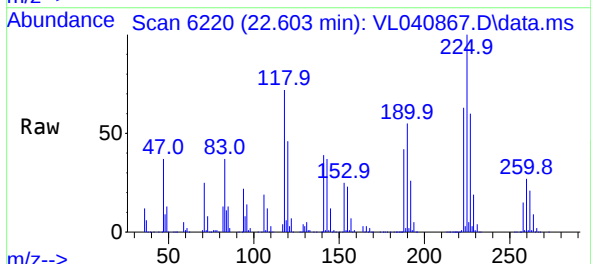
Tgt Ion:146 Resp: 153955
Ion Ratio Lower Upper
146 100
111 50.2 25.7 77.1
148 63.7 32.3 96.9

Manual Integrations
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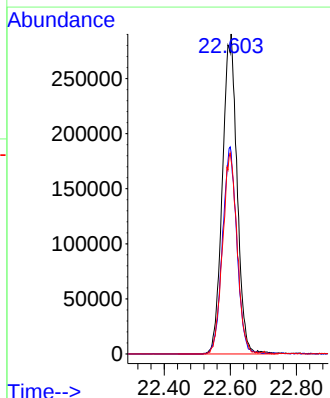
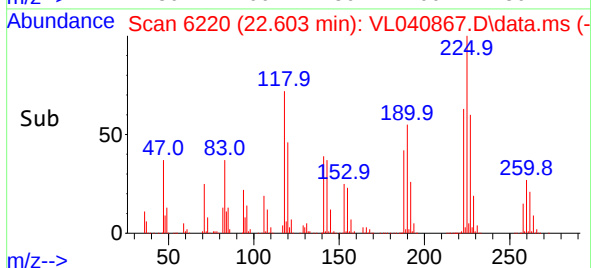
Reviewed By :Semsettin Yesilyurt 11/22/2023
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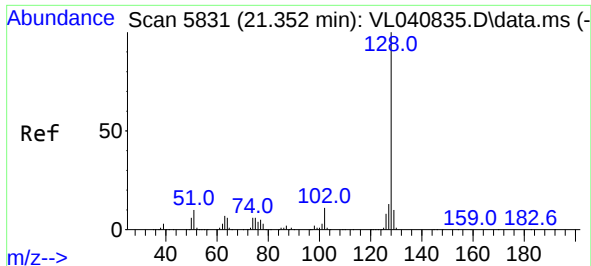


#78
Hexachloro-1,3-Butadiene
Concen: 8.571 ppbv m
RT: 22.603 min Scan# 6220
Delta R.T. -0.000 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



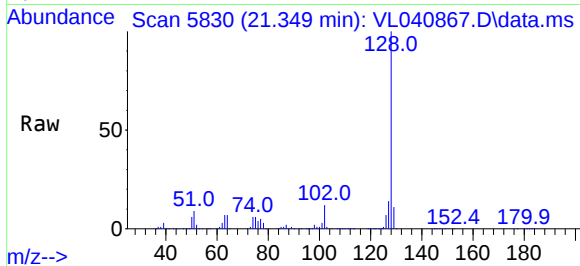
Tgt Ion:225 Resp: 889960
Ion Ratio Lower Upper
225 100
223 63.7 51.1 76.7
227 62.6 50.8 76.2





#79
Naphthalene
Concen: 12.206 ppbv
RT: 21.349 min Scan# 5831
Delta R.T. -0.003 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39

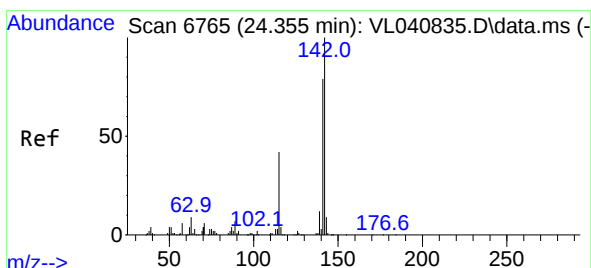
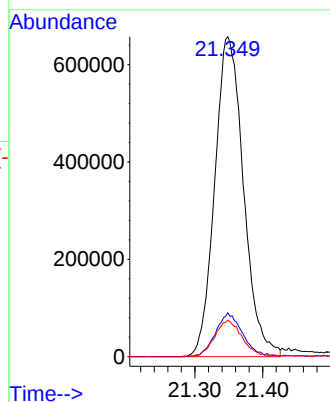
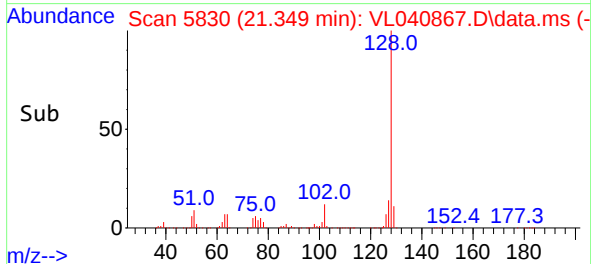
Instrument :
MSVOA_L
ClientSampleId :
VL1115ABS01



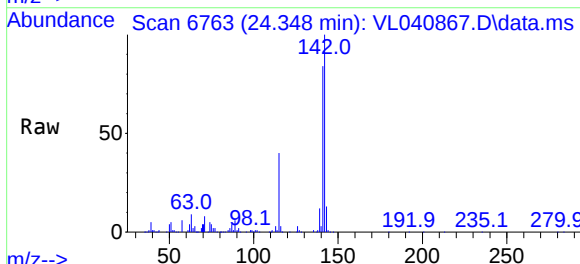
Tgt Ion:128 Resp: 1937684
Ion Ratio Lower Upper
128 100
127 13.7 10.0 15.0
129 11.4 8.3 12.5

Manual Integrations
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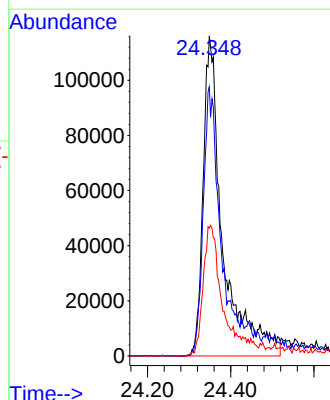
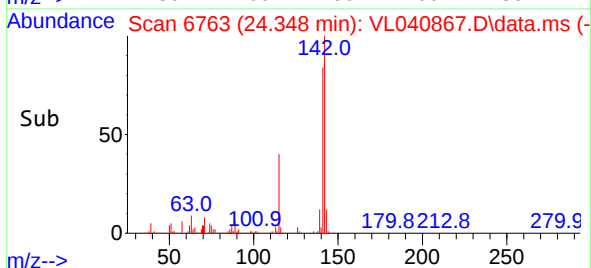
Reviewed By :Semsettin Yesilyurt 11/22/2023
Supervised By :Mahesh Dadoda 11/22/2023

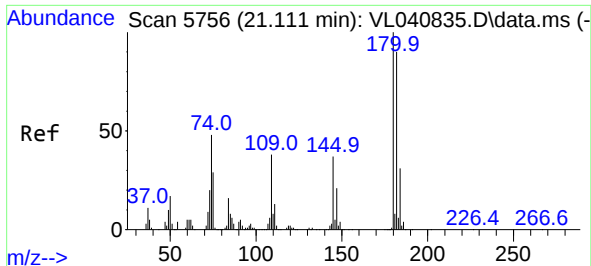


#80
Naphthalene,2-methyl-
Concen: 13.671 ppbv
RT: 24.348 min Scan# 6763
Delta R.T. -0.007 min
Lab File: VL040867.D
Acq: 15 Nov 2023 12:39



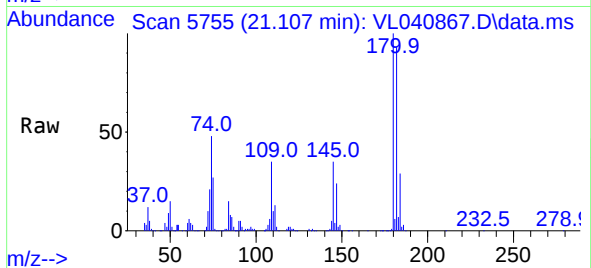
Tgt Ion:142 Resp: 383110
Ion Ratio Lower Upper
142 100
141 79.4 65.8 98.8
115 45.9 35.6 53.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.181 ppbv
 RT: 21.107 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040867.D
 Acq: 15 Nov 2023 12:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1115ABS01



Tgt Ion:180 Resp: 982574
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.6 116.4
 184 31.0 24.2 36.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/22/2023
 Supervised By :Mahesh Dadoda 11/22/2023

