

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038657.D
 Acq On : 21 Mar 2022 19:34
 Operator : SY/AP
 Sample : VL0321ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 03:50:10 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:50:10 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	940912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2478861	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2255116m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 1798862 10.404 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1113515	8.804	ppbv	100
3) Chlorodifluoromethane	2.993	51	927385	9.332	ppbv	100
4) Chloromethane	3.144	50	515550	9.449	ppbv	97
5) Vinyl Chloride	3.260	62	505403	9.117	ppbv	96
6) Bromomethane	3.475	94	286392	9.690	ppbv	100
7) Chloroethane	3.562	64	175188	9.546	ppbv	99
8) Dichlorotetrafluoroethane	3.192	85	1197874	9.485	ppbv	100
9) Propene	3.015	41	453109	9.444	ppbv	99
10) Heptane	8.118	43	1168277	10.187	ppbv	100
11) Trichlorofluoromethane	3.951	101	1082314	9.695	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.485	101	789591	9.188	ppbv	100
13) Ethanol	3.607	45	32142	6.073	ppbv	84
14) Bromoethene	3.742	108	374002	9.793	ppbv	99
15) Acetone	3.848	43	749859	9.236	ppbv	99
16) 1,3-Butadiene	3.330	39	447153	9.705	ppbv	98
17) tert-Butyl alcohol	4.282	59	666673	9.402	ppbv	99
18) 1,1-Dichloroethene	4.288	96	359331	9.308	ppbv	98
19) Isopropyl Alcohol	3.960	45	423584	9.410	ppbv	99
20) Methylene Chloride	4.343	84	293467	8.582	ppbv	98
21) Allyl Chloride	4.414	41	555669	9.510	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	370363	9.249	ppbv	100
23) Vinyl Acetate	5.073	43	797244	10.141	ppbv	99
24) 1,1-Dichloroethane	5.009	63	684654	8.843	ppbv	100
25) Ethyl Acetate	5.674	43	2013804	9.853	ppbv	100
26) Hexane	5.684	57	877751	9.593	ppbv	99
27) Carbon Disulfide	4.549	76	899930	10.026	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	615707	9.033	ppbv	100
29) Chloroform	5.751	83	1396026	9.529	ppbv	99
30) Cyclohexane	7.128	84	768208	9.656	ppbv	100
31) cis-1,2-Dichloroethene	5.546	61	872080	10.136	ppbv	94
32) 1,1,1-Trichloroethane	6.510	97	1342964	9.499	ppbv	100
34) 2-Butanone	5.240	43	1213252	12.366	ppbv	98
35) Carbon Tetrachloride	7.018	117	1410856	9.809	ppbv	97
36) Benzene	6.890	78	1872772	9.789	ppbv	98
37) 1,2-Dichloroethane	6.304	62	954246	9.805	ppbv	99
38) Trichloroethene	7.832	130	788267	9.836	ppbv	98
39) 1,2-Dichloropropane	7.610	63	725956	9.706	ppbv	99
40) 1,4-Dioxane	7.825	88	241209	9.287	ppbv #	1
41) Tetrahydrofuran	6.044	42	745430	10.208	ppbv	98
42) Bromodichloromethane	7.787	83	1474050	10.103	ppbv	100
43) Methyl Methacrylate	8.009	69	761069	10.715	ppbv	100
44) 2,2,4-Trimethylpentane	7.864	57	3119391	9.711	ppbv	100
45) t-1,3-Dichloropropene	9.272	75	845966	11.714	ppbv	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

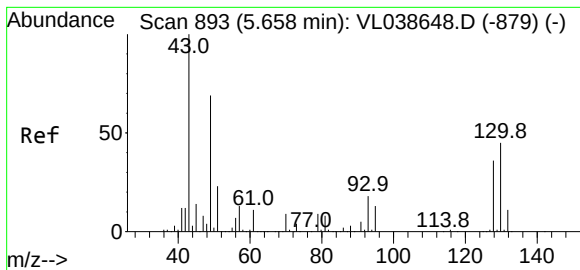
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:50:10 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

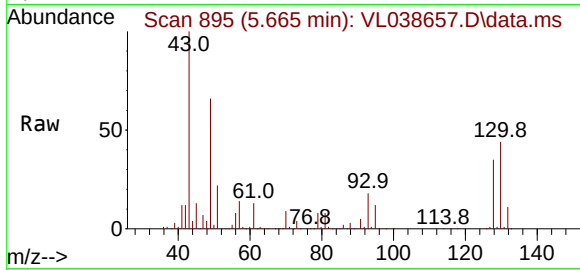
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1068838	10.945	ppbv	98
47) 1,1,2-Trichloroethane	9.472	97	763317	9.559	ppbv	98
48) Dibromochloromethane	10.298	129	1309193	10.467	ppbv	100
49) Bromoform	13.034	173	1069371	10.490	ppbv	100
50) 4-Methyl-2-Pentanone	8.735	43	1894776	10.388	ppbv	100
51) 2-Hexanone	10.124	43	1447424	11.048	ppbv #	100
52) Tetrachloroethene	11.217	164	672337	9.603	ppbv	97
53) Toluene	9.799	91	2150980	10.464	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1108364	10.166	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.118	131	904854	9.678	ppbv	98
57) Chlorobenzene	12.143	112	1570336	9.655	ppbv	99
58) Ethyl Benzene	12.703	91	2742677	10.403	ppbv	100
59) m/p-Xylene	12.989	91	4573667m	19.833	ppbv	
60) o-Xylene	13.684	91	2208507	10.086	ppbv	100
61) Styrene	13.523	104	1335810	11.250	ppbv	99
62) Isopropylbenzene	14.661	105	3242716	9.851	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1473112	8.685	ppbv	100
64) n-propylbenzene	15.555	120	876261	10.145	ppbv	100
65) tert-Butylbenzene	16.738	119	2844838	9.618	ppbv	100
66) Benzyl Chloride	16.979	91	652937	11.658	ppbv	99
67) sec-Butylbenzene	17.288	105	4098578	9.689	ppbv	100
69) p-Isopropyltoluene	17.645	119	3416600	9.896	ppbv	100
70) n-Butylbenzene	18.542	91	3580192	10.054	ppbv	100
71) 2-Chlorotoluene	15.446	91	2390307	9.783	ppbv	99
72) 4-Ethyltoluene	15.831	105	2709911	10.484	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	2377001	10.092	ppbv	98
74) 1,2,4-Trimethylbenzene	16.754	105	2507893	9.776	ppbv	96
75) 1,3-Dichlorobenzene	16.989	146	1554872	9.515	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	1512453	9.307	ppbv	97
77) 1,2-Dichlorobenzene	17.809	146	1542247	9.527	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1338747	8.948	ppbv	99
79) Naphthalene	22.185	128	2553988	13.030	ppbv	99
80) Naphthalene,2-methyl-	24.963	142	538390	10.244	ppbv	98
81) 1,2,4-Trichlorobenzene	21.912	180	1441163	10.741	ppbv	99

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



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.665 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

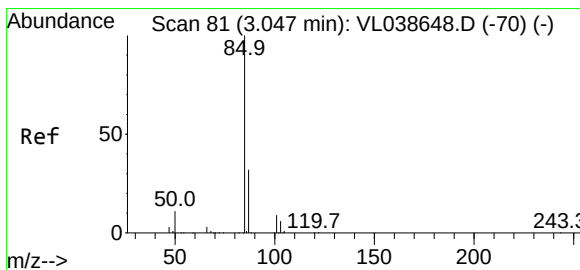
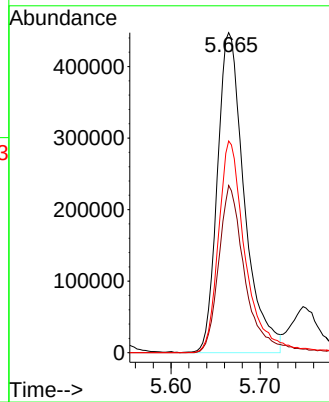
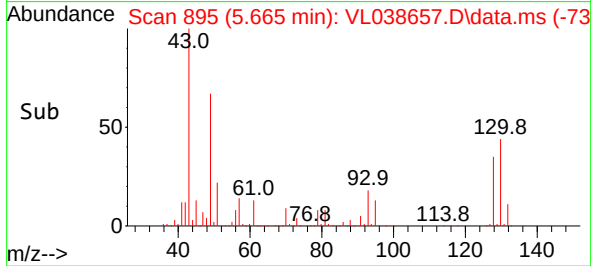
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



Tgt Ion: 49 Resp: 940912
 Ion Ratio Lower Upper
 49 100
 128 52.1 26.2 78.6
 130 67.1 33.7 101.1

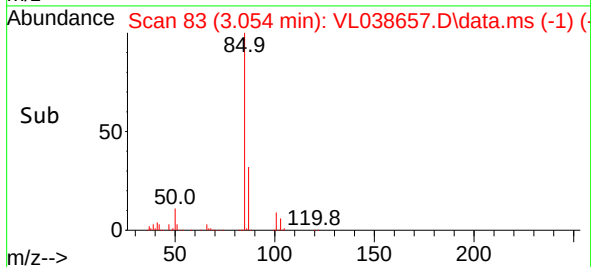
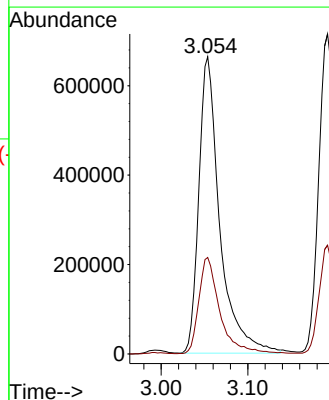
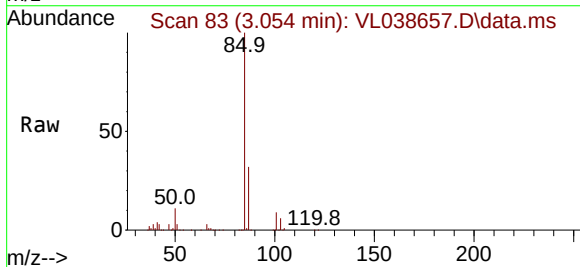
Manual Integrations
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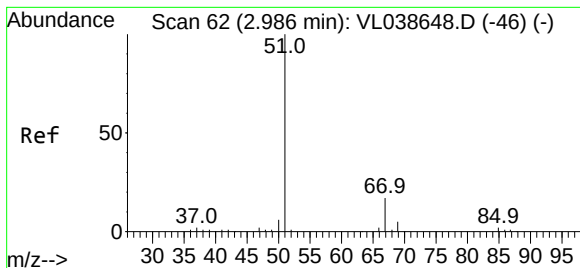
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#2
 Dichlorodifluoromethane
 Concen: 8.804 ppbv
 RT: 3.054 min Scan# 83
 Delta R.T. 0.006 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

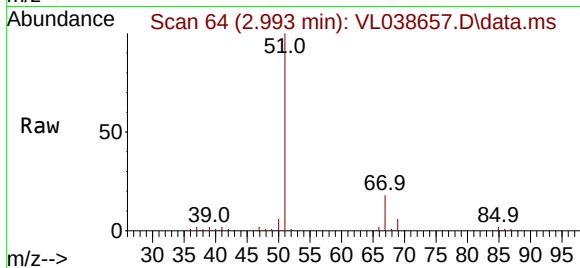
Tgt Ion: 85 Resp: 1113515
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0





#3
Chlorodifluoromethane
Concen: 9.332 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

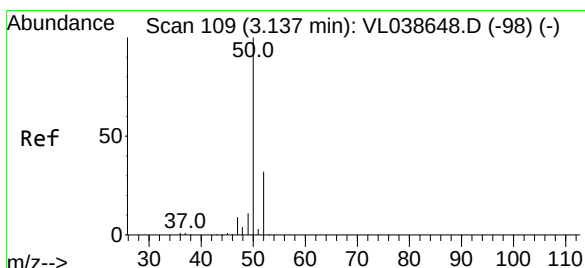
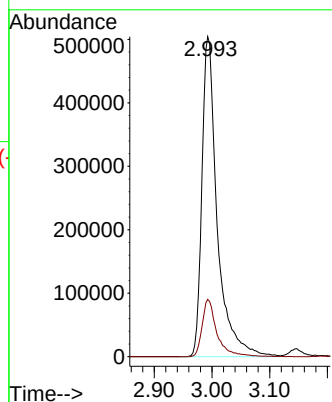
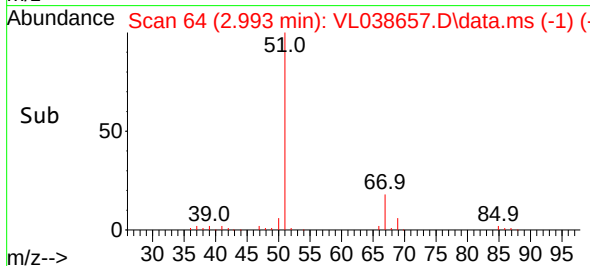
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 51 Resp: 927385
Ion Ratio Lower Upper
51 100
67 17.4 14.1 21.1

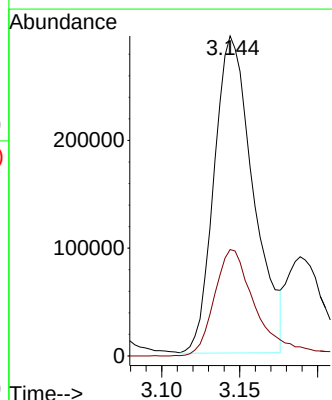
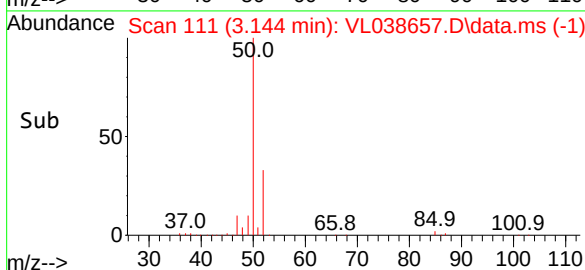
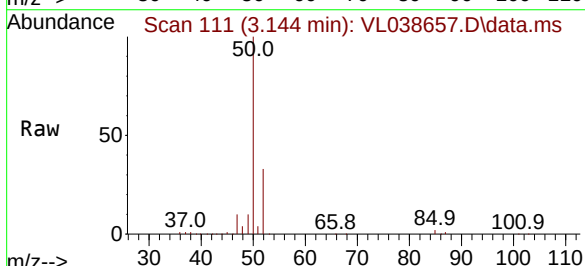
Manual Integrations
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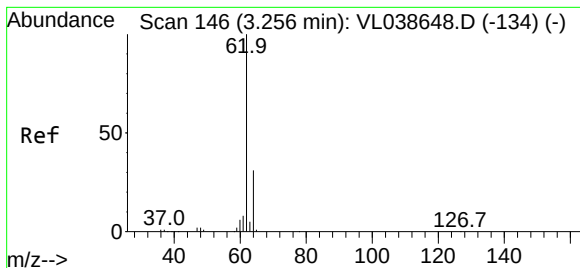
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#4
Chloromethane
Concen: 9.449 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 50 Resp: 515550
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3





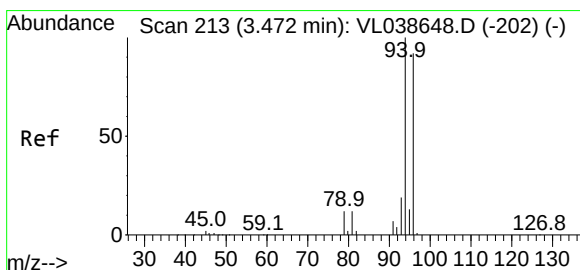
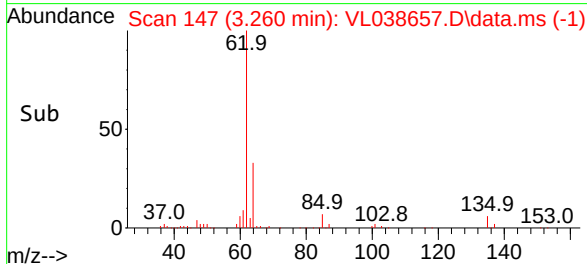
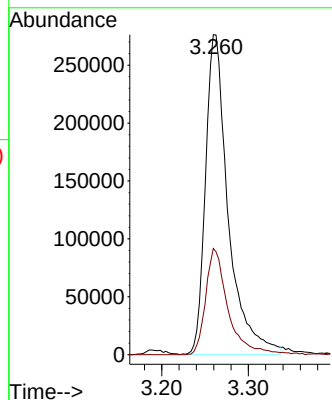
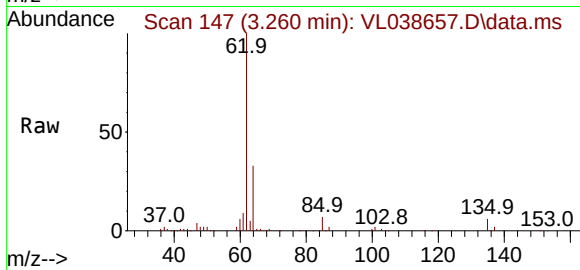
#5
 Vinyl Chloride
 Concen: 9.117 ppbv
 RT: 3.260 min Scan# 146
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01

Tgt Ion: 62 Resp: 50540
 Ion Ratio Lower Upper
 62 100
 64 33.2 25.0 37.4

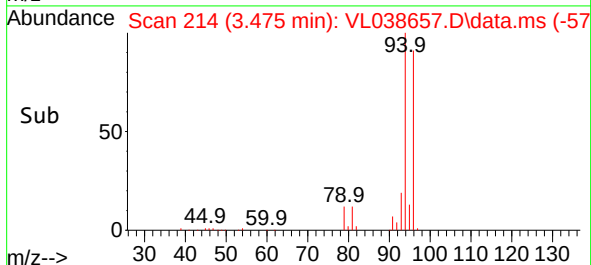
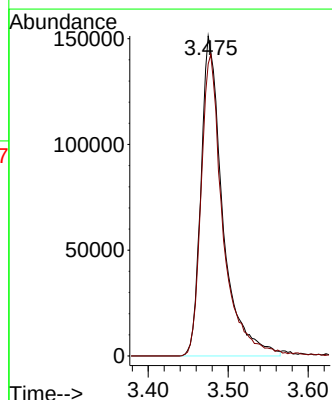
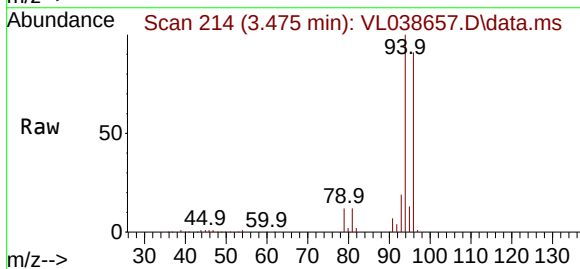
Manual Integrations
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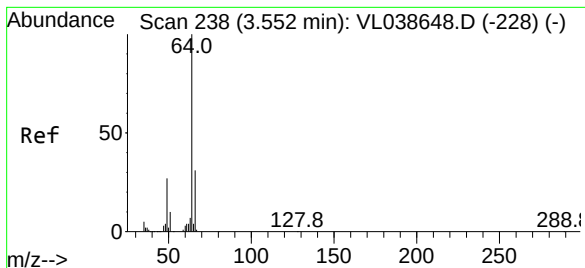
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#6
 Bromomethane
 Concen: 9.690 ppbv
 RT: 3.475 min Scan# 214
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

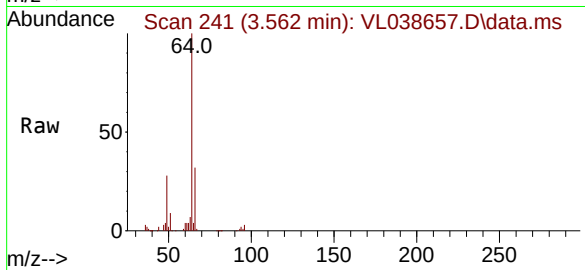
Tgt Ion: 94 Resp: 286392
 Ion Ratio Lower Upper
 94 100
 96 91.2 73.3 109.9





#7
Chloroethane
Concen: 9.546 ppbv
RT: 3.562 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

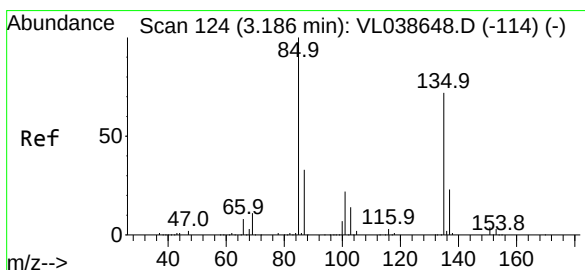
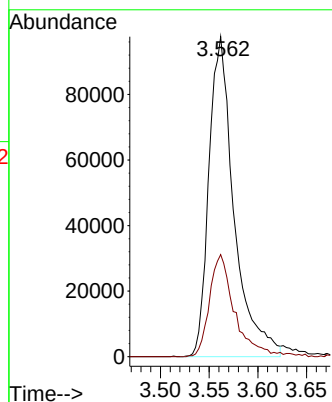
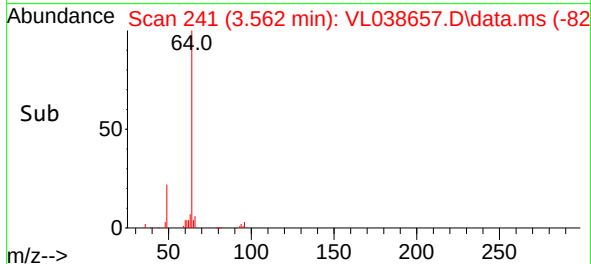
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



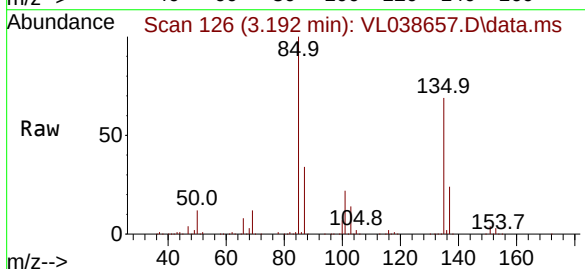
Tgt Ion: 64 Resp: 175188
Ion Ratio Lower Upper
64 100
66 31.9 25.0 37.6

Manual Integrations
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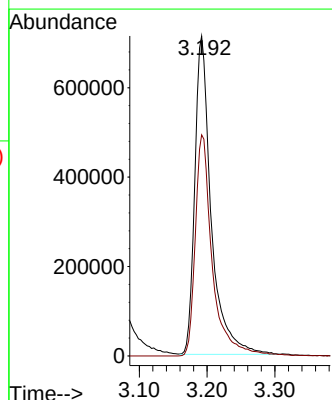
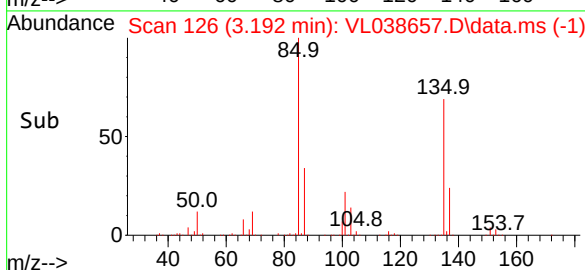
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

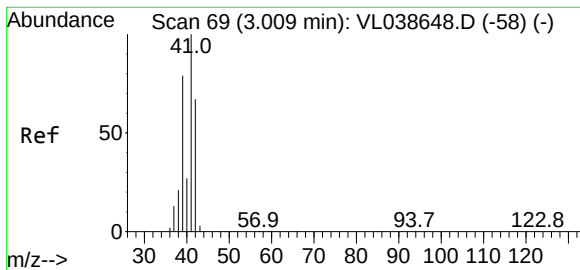


#8
Dichlorotetrafluoroethane
Concen: 9.485 ppbv
RT: 3.192 min Scan# 126
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



Tgt Ion: 85 Resp: 1197874
Ion Ratio Lower Upper
85 100
135 72.5 57.8 86.6





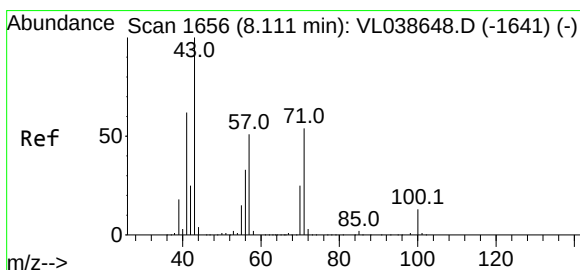
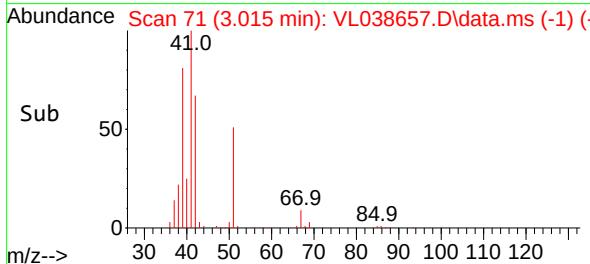
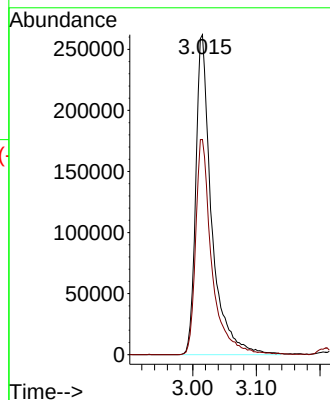
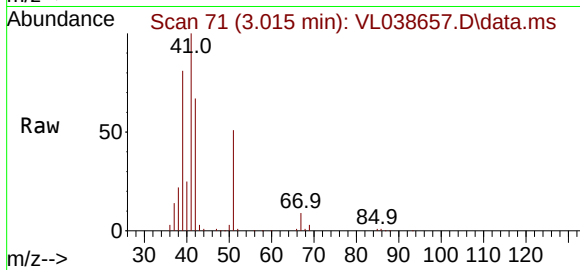
#9
Propene
Concen: 9.444 ppbv
RT: 3.015 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 41 Resp: 453109
Ion Ratio Lower Upper
41 100
42 69.1 56.2 84.4

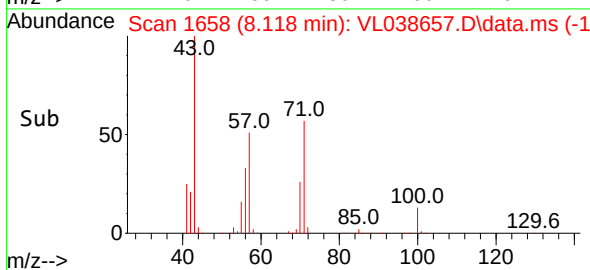
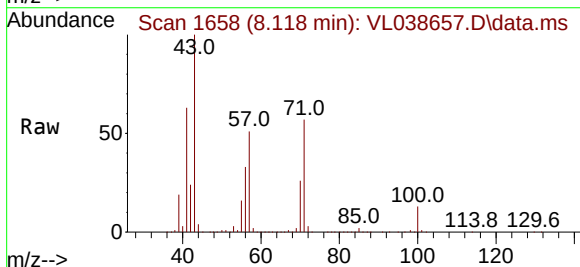
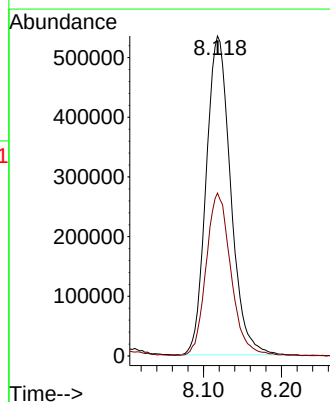
Manual Integrations
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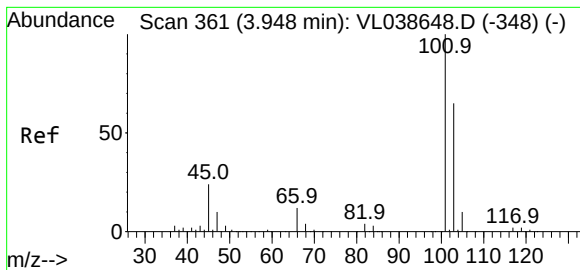
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#10
Heptane
Concen: 10.187 ppbv
RT: 8.118 min Scan# 1658
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

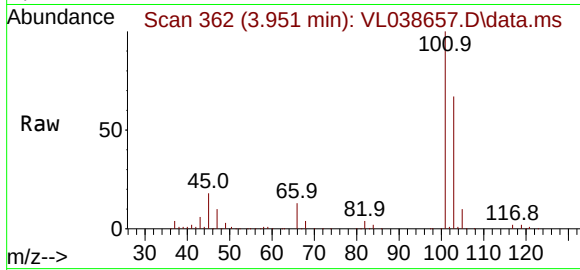
Tgt Ion: 43 Resp: 1168277
Ion Ratio Lower Upper
43 100
57 51.7 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 9.695 ppbv
 RT: 3.951 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

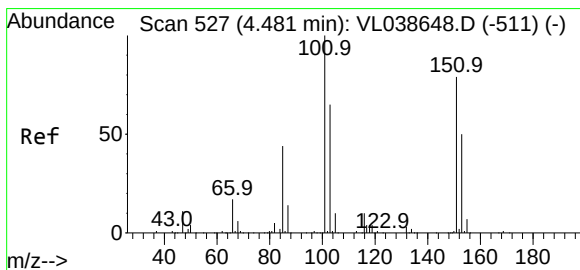
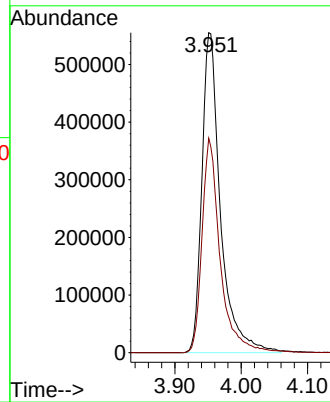
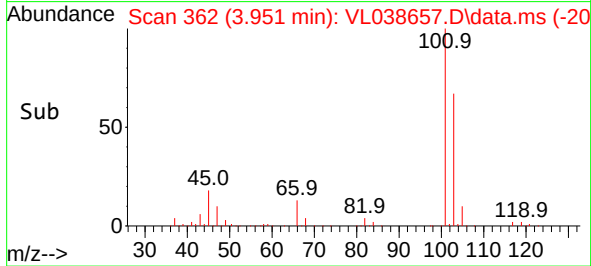
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



Tgt Ion:101 Resp: 1082314
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.9 77.9

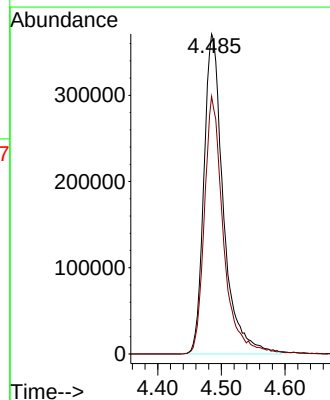
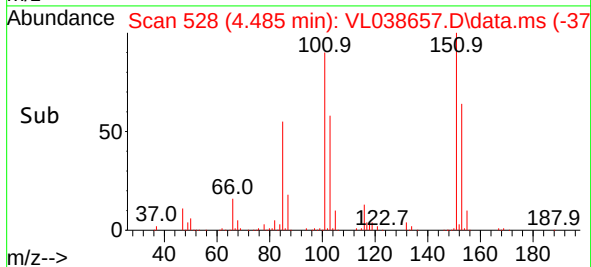
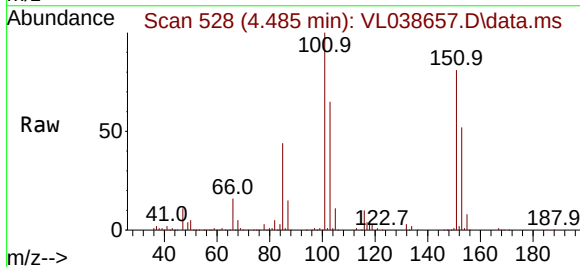
Manual Integrations
 APPROVED

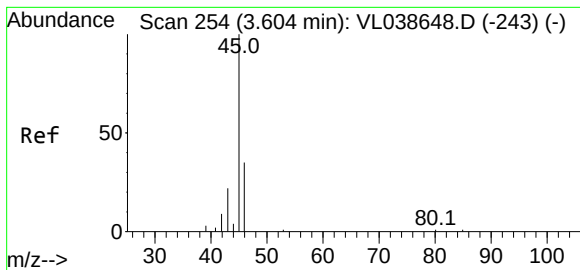
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.188 ppbv
 RT: 4.485 min Scan# 528
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:101 Resp: 789591
 Ion Ratio Lower Upper
 101 100
 151 78.8 62.9 94.3





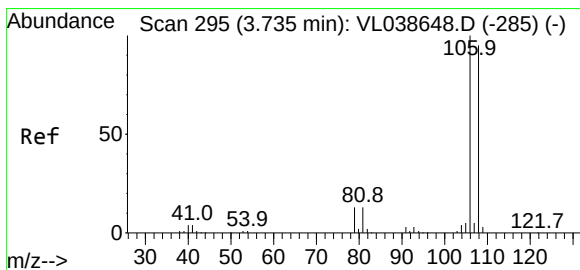
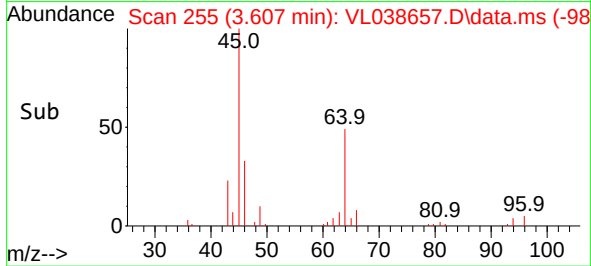
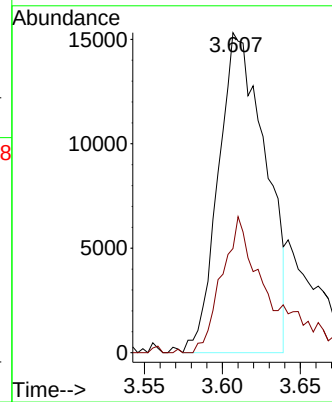
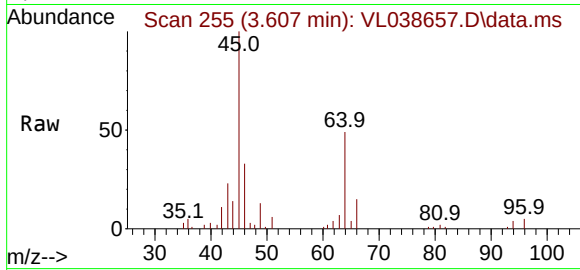
#13
Ethanol
Concen: 6.073 ppbv
RT: 3.607 min Scan# 214
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 45 Resp: 3214
Ion Ratio Lower Upper
45 100
46 47.5 15.1 60.5

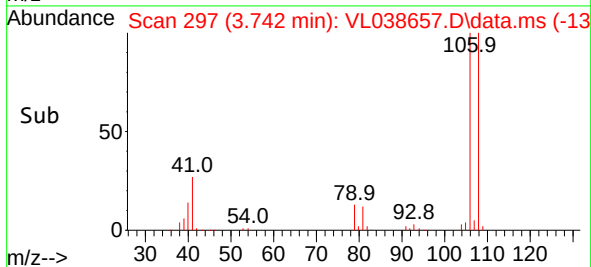
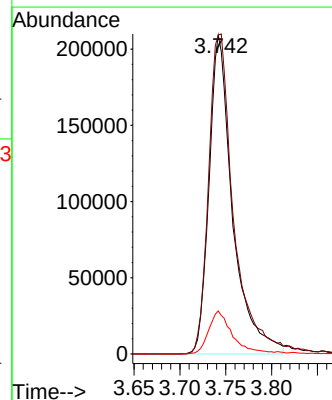
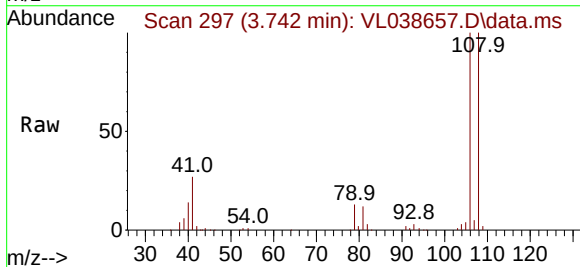
Manual Integrations
APPROVED

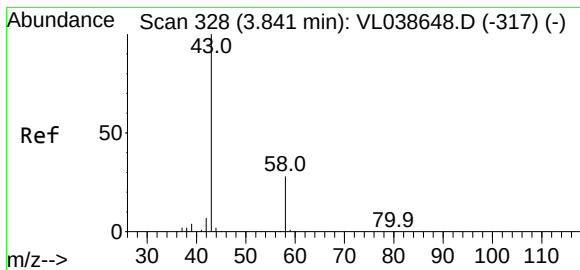
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#14
Bromoethene
Concen: 9.793 ppbv
RT: 3.742 min Scan# 297
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion:108 Resp: 374002
Ion Ratio Lower Upper
108 100
106 108.7 88.3 132.5
79 14.1 11.2 16.8





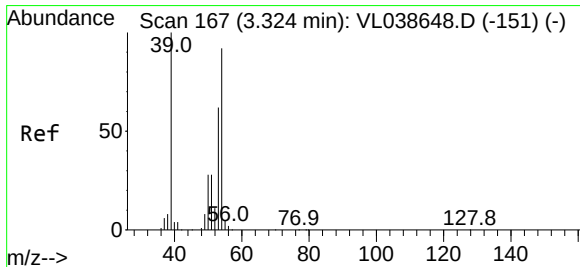
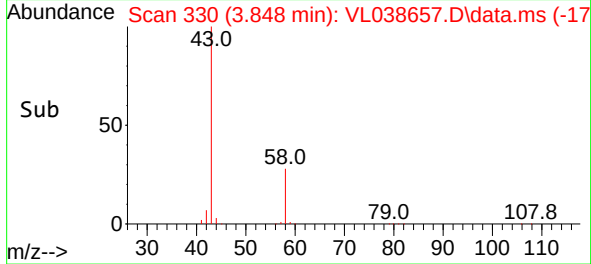
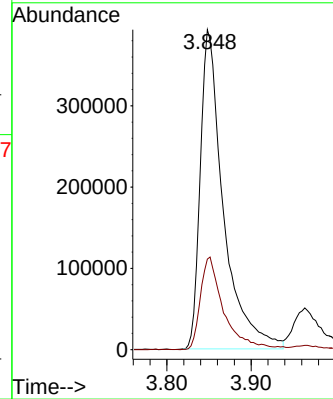
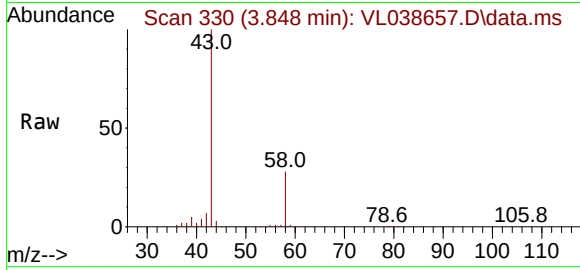
#15
Acetone
Concen: 9.236 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 43 Resp: 749859
Ion Ratio Lower Upper
43 100
58 29.6 23.3 34.9

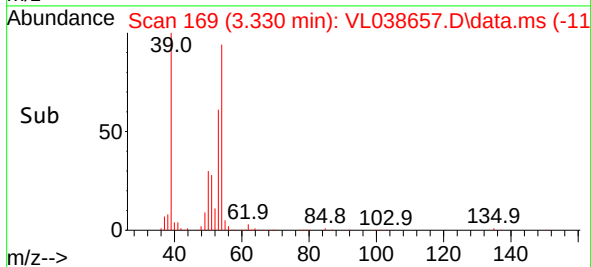
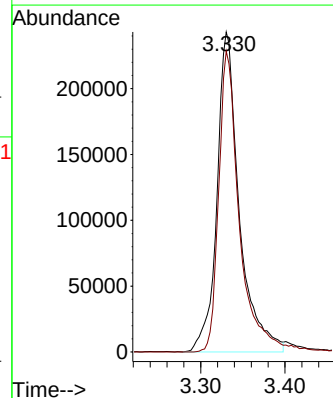
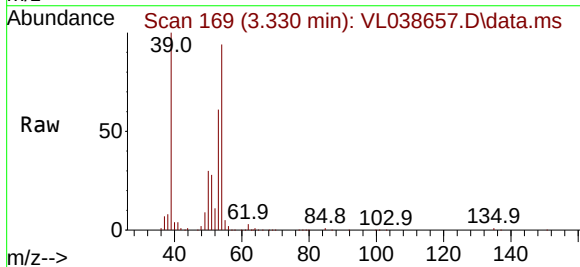
Manual Integrations
APPROVED

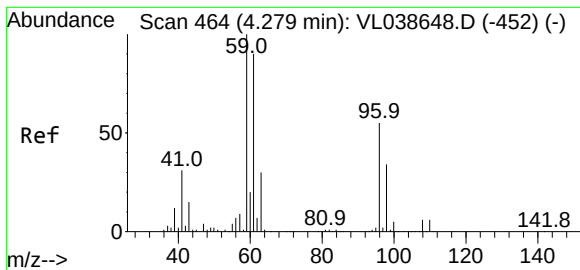
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#16
1,3-Butadiene
Concen: 9.705 ppbv
RT: 3.330 min Scan# 169
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 39 Resp: 447153
Ion Ratio Lower Upper
39 100
54 88.1 69.1 103.7





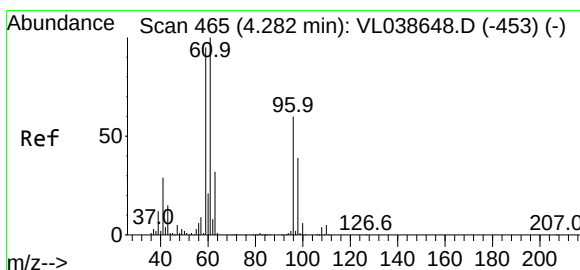
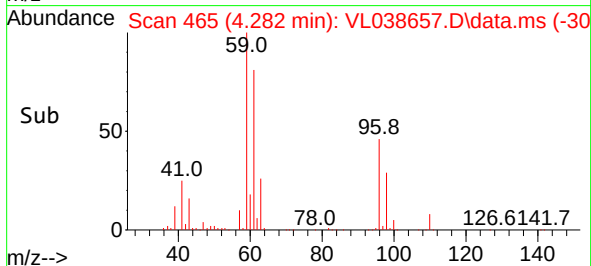
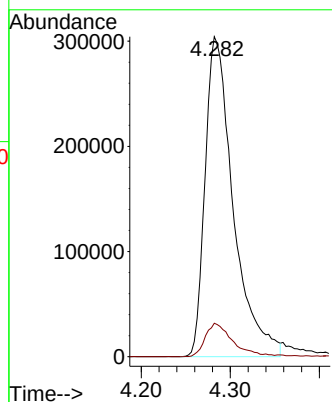
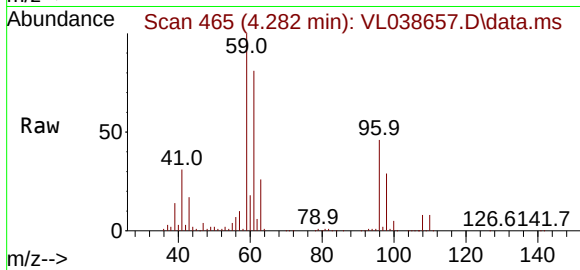
#17
tert-Butyl alcohol
Concen: 9.402 ppbv
RT: 4.282 min Scan# 465
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 59 Resp: 66667
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.2

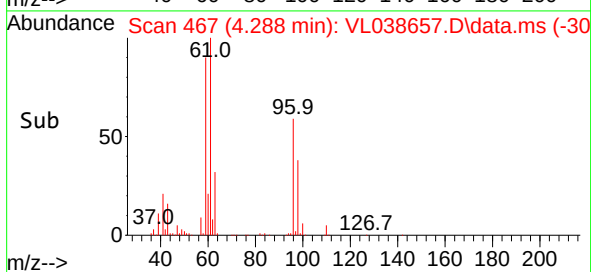
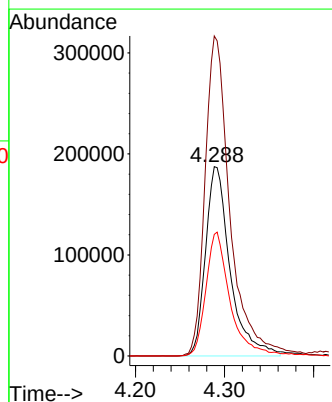
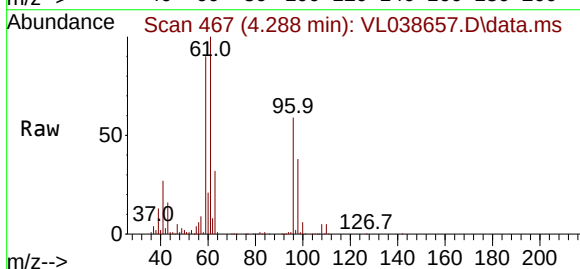
Manual Integrations
APPROVED

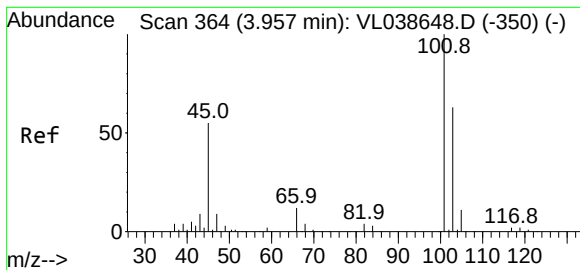
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#18
1,1-Dichloroethene
Concen: 9.308 ppbv
RT: 4.288 min Scan# 467
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 96 Resp: 359331
Ion Ratio Lower Upper
96 100
61 169.0 132.4 198.6
98 64.3 51.6 77.4





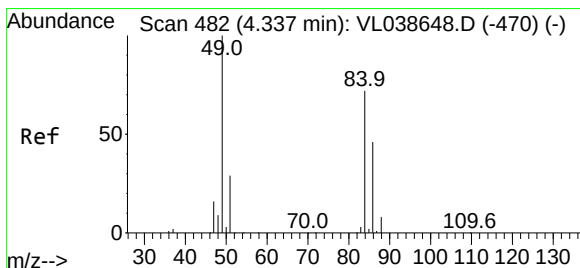
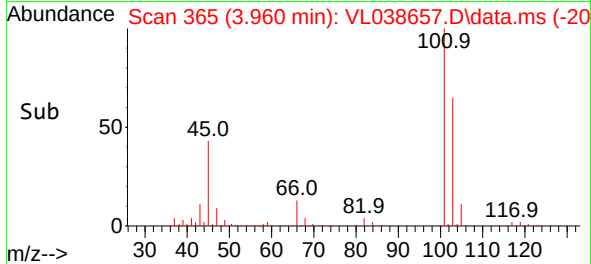
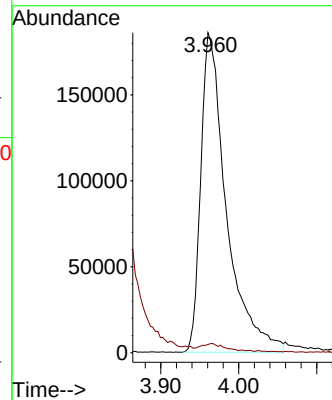
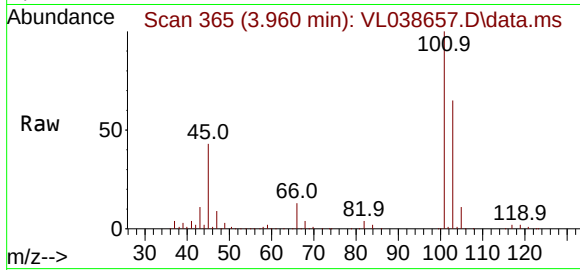
#19
Isopropyl Alcohol
Concen: 9.410 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 45 Resp: 423584
Ion Ratio Lower Upper
45 100
58 3.2 2.3 3.5

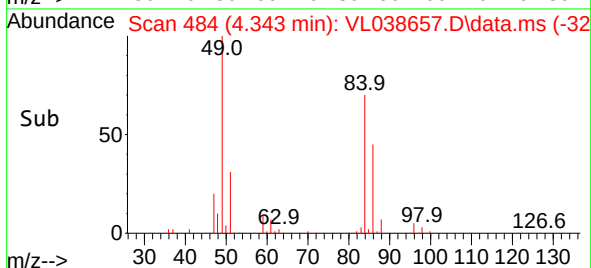
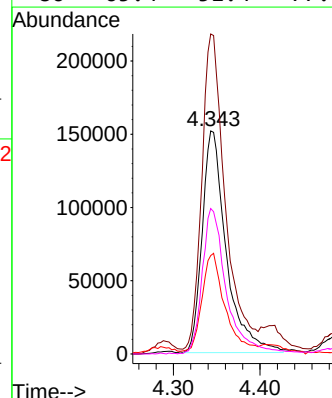
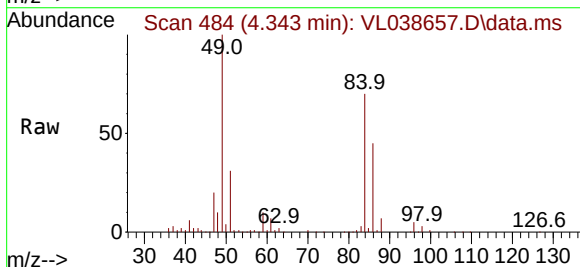
Manual Integrations
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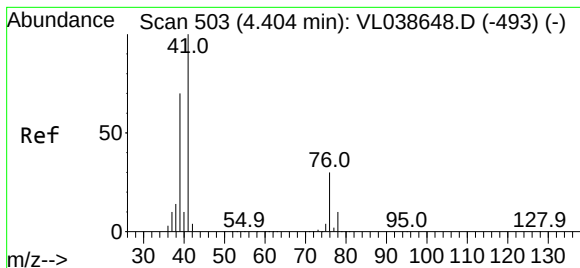
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#20
Methylene Chloride
Concen: 8.582 ppbv
RT: 4.343 min Scan# 484
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

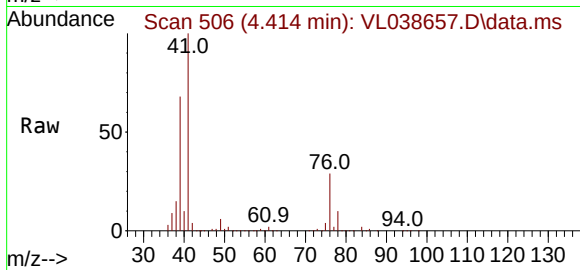
Tgt Ion: 84 Resp: 293467
Ion Ratio Lower Upper
84 100
49 142.3 111.2 166.8
51 43.0 32.8 49.2
86 65.4 51.4 77.0





#21
 Allyl Chloride
 Concen: 9.510 ppbv
 RT: 4.414 min Scan# 503
 Delta R.T. 0.010 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

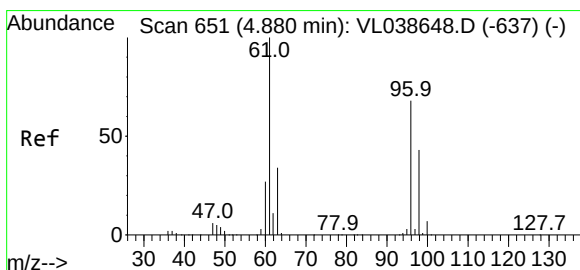
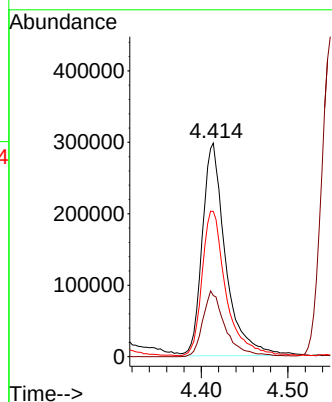
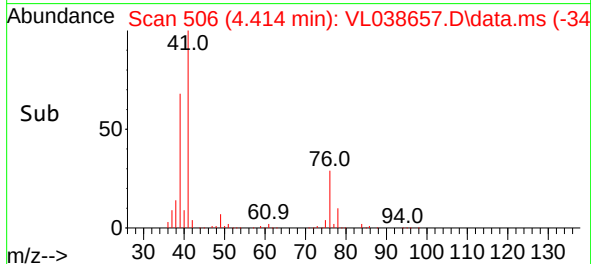
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



Tgt Ion: 41 Resp: 555669
 Ion Ratio Lower Upper
 41 100
 76 30.1 25.0 37.6
 39 70.0 56.6 85.0

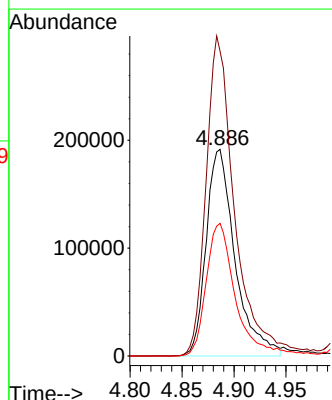
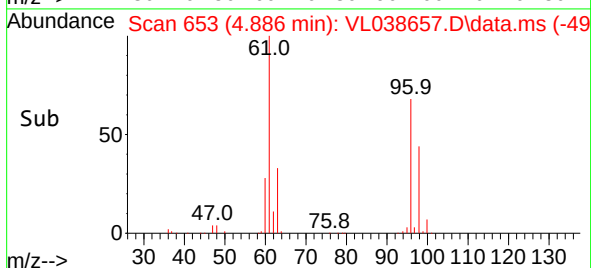
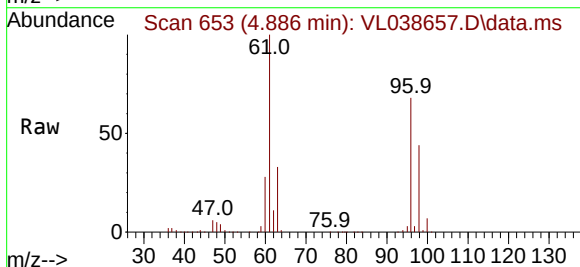
Manual Integrations
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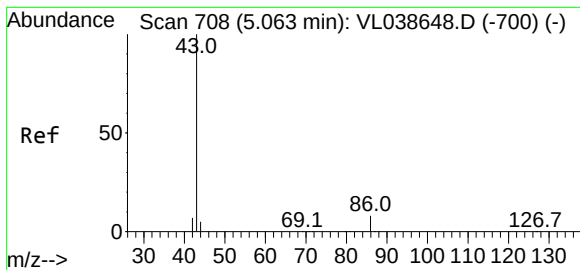
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#22
 trans-1,2-Dichloroethene
 Concen: 9.249 ppbv
 RT: 4.886 min Scan# 653
 Delta R.T. 0.006 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

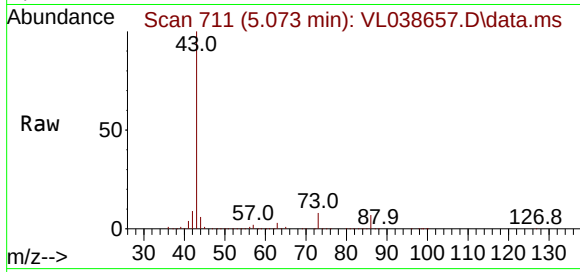
Tgt Ion: 96 Resp: 370363
 Ion Ratio Lower Upper
 96 100
 61 147.3 118.3 177.5
 98 64.1 51.3 76.9





#23
 Vinyl Acetate
 Concen: 10.141 ppbv
 RT: 5.073 min Scan# 711
 Delta R.T. 0.010 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

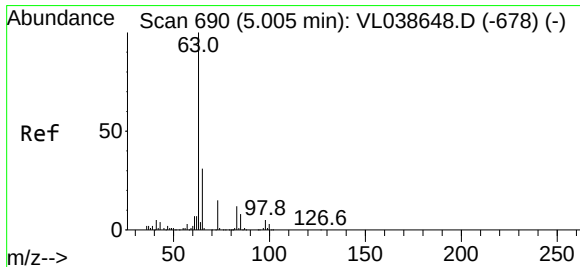
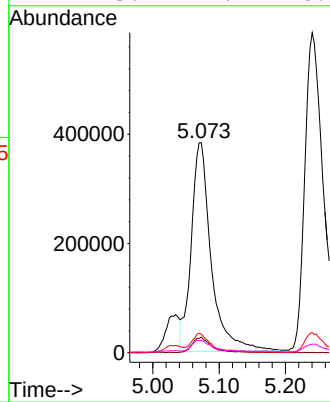
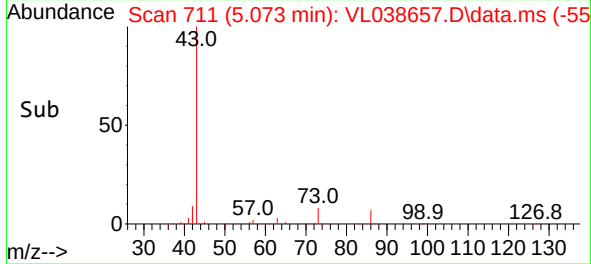
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



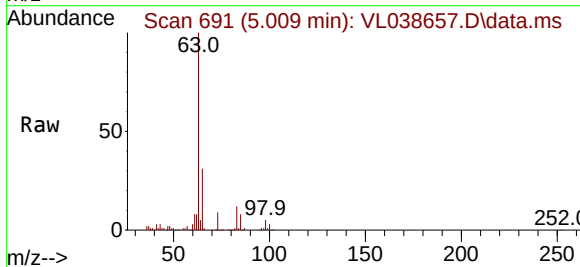
Tgt Ion: 43 Resp: 797244
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.6 8.4
 42 8.8 6.8 10.2
 44 5.4 4.2 6.2

Manual Integrations
 APPROVED

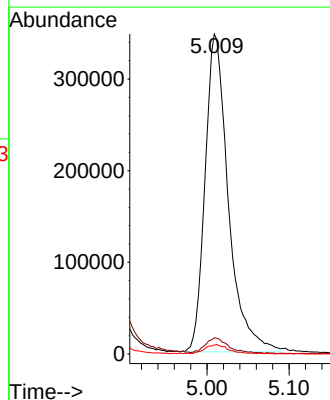
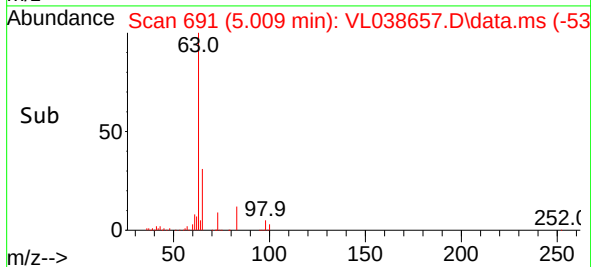
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

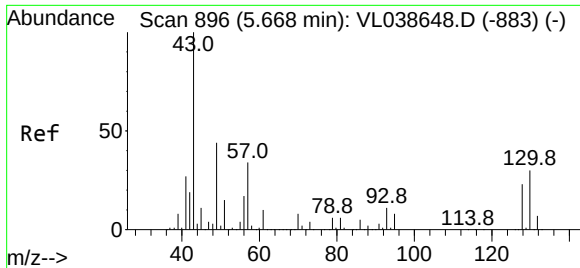


#24
 1,1-Dichloroethane
 Concen: 8.843 ppbv
 RT: 5.009 min Scan# 691
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34



Tgt Ion: 63 Resp: 684654
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.5 7.5
 100 2.8 1.4 4.2





#25
Ethyl Acetate
Concen: 9.853 ppbv
RT: 5.674 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

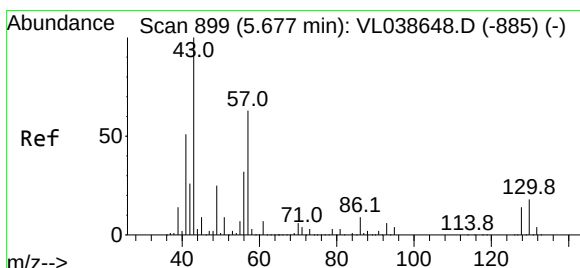
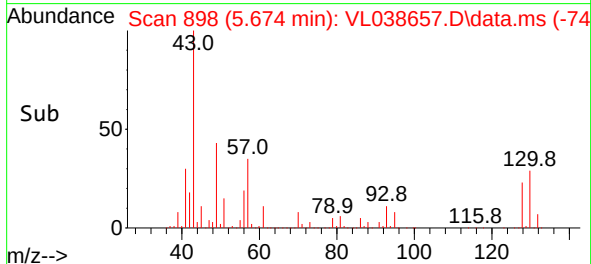
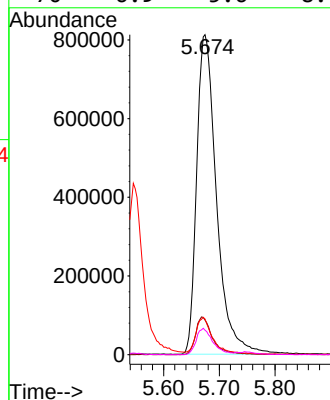
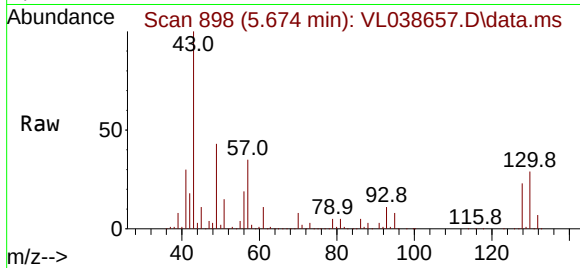
VL0321ABS01

Tgt Ion: 43 Resp: 2013804
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.4
61 10.3 8.3 12.5
70 6.9 5.6 8.4

Manual Integrations

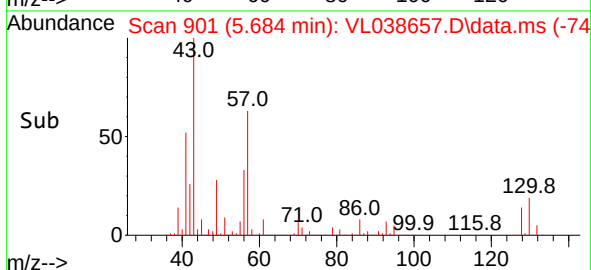
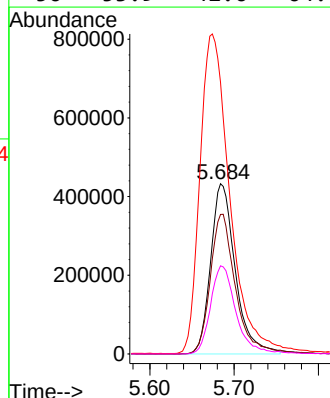
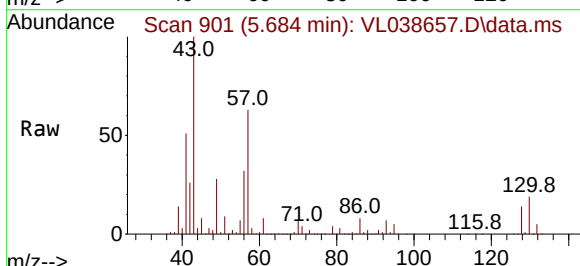
APPROVED

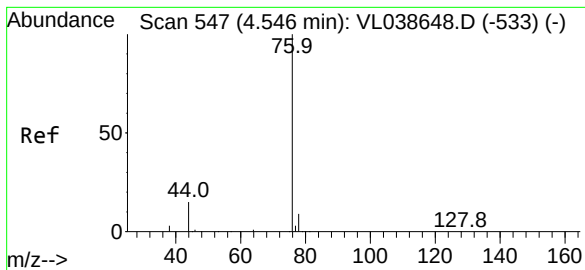
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#26
Hexane
Concen: 9.593 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

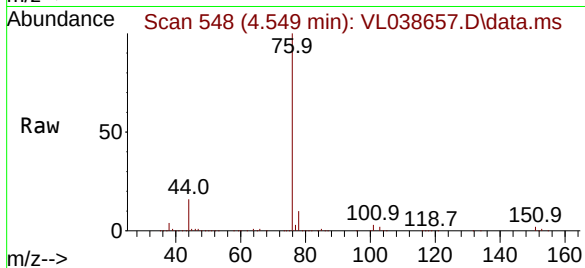
Tgt Ion: 57 Resp: 877751
Ion Ratio Lower Upper
57 100
41 85.2 67.0 100.4
43 231.2 184.2 276.2
56 53.9 42.6 64.0





#27
Carbon Disulfide
Concen: 10.026 ppbv
RT: 4.549 min Scan# 547
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

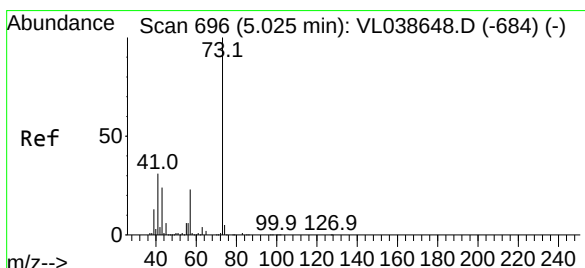
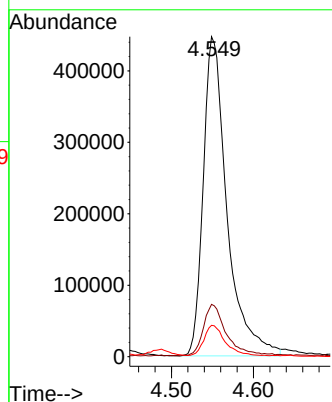
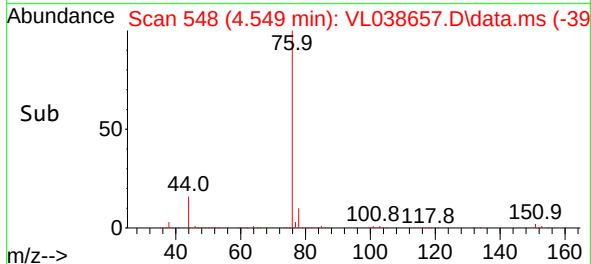
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 76 Resp: 899930
Ion Ratio Lower Upper
76 100
44 16.2 12.4 18.6
78 9.3 7.8 11.8

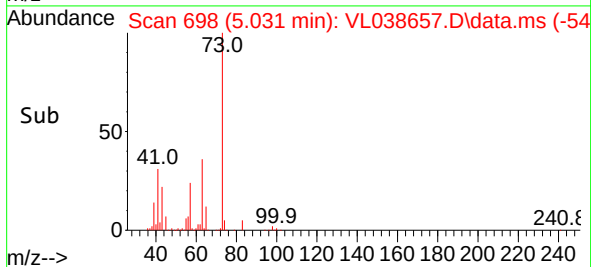
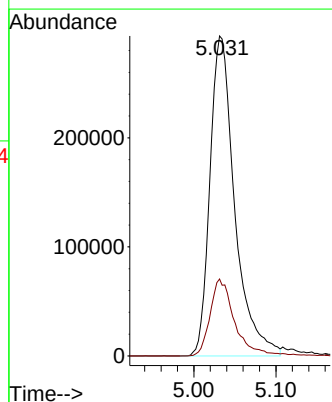
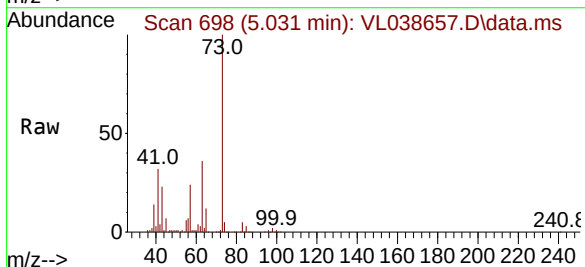
Manual Integrations
APPROVED

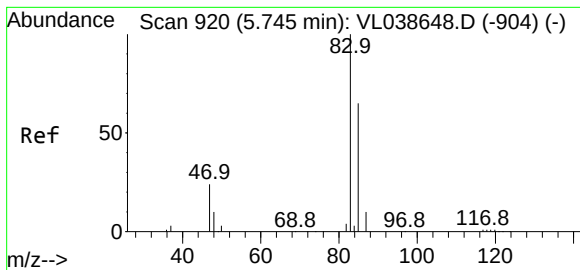
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#28
Methyl tert-Butyl Ether
Concen: 9.033 ppbv
RT: 5.031 min Scan# 698
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

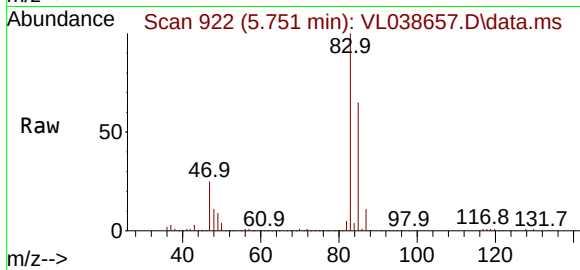
Tgt Ion: 73 Resp: 615707
Ion Ratio Lower Upper
73 100
57 24.2 19.2 28.8





#29
Chloroform
Concen: 9.529 ppbv
RT: 5.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

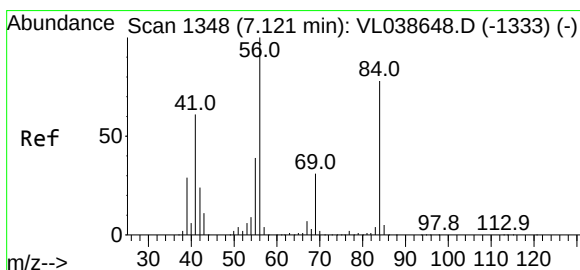
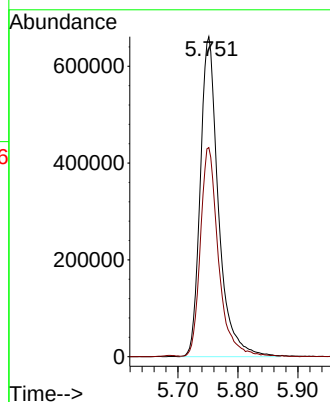
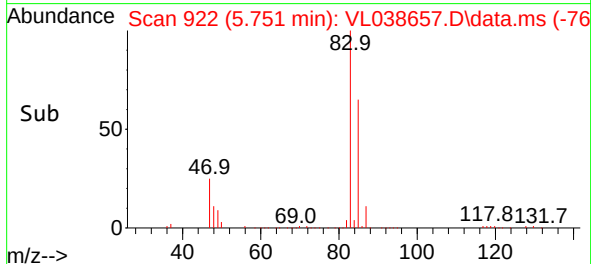
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 83 Resp: 1396020
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5

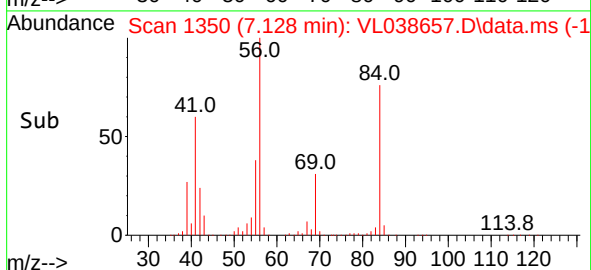
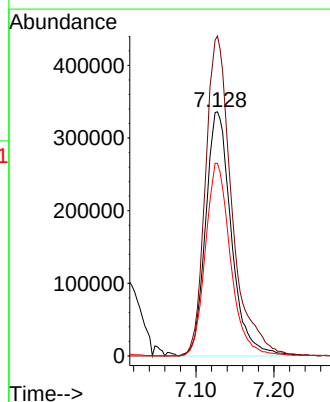
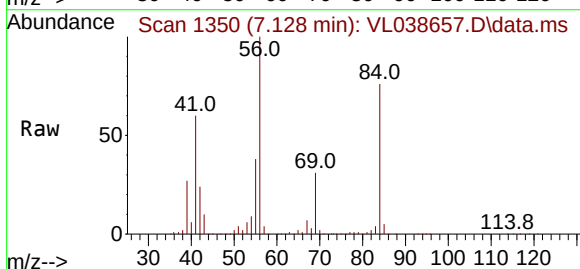
Manual Integrations
APPROVED

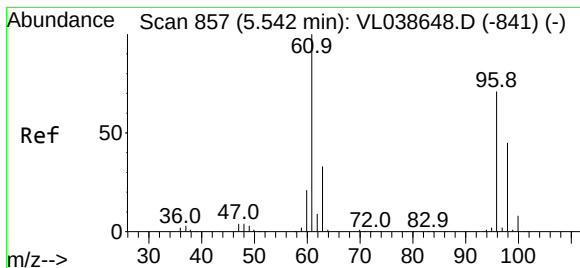
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#30
Cyclohexane
Concen: 9.656 ppbv
RT: 7.128 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 84 Resp: 768208
Ion Ratio Lower Upper
84 100
56 135.5 108.2 162.4
41 77.7 61.8 92.6





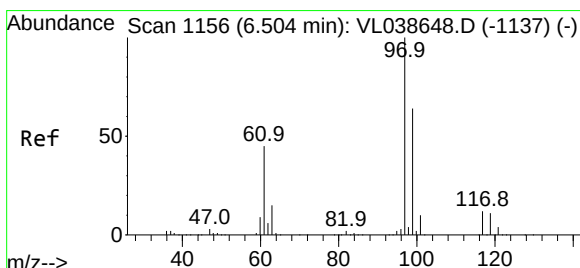
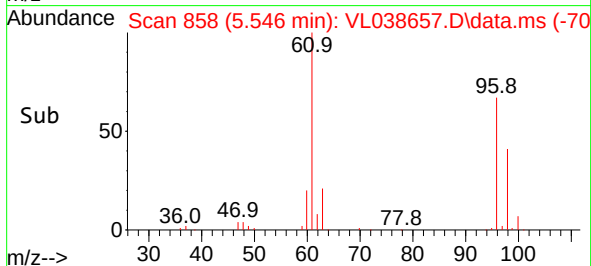
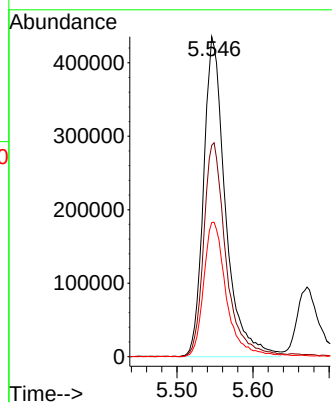
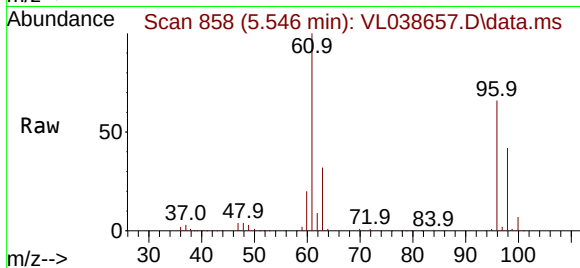
#31
cis-1,2-Dichloroethene
Concen: 10.136 ppbv
RT: 5.546 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 61 Resp: 872080
Ion Ratio Lower Upper
61 100
96 66.0 56.6 84.8
98 41.9 36.3 54.5

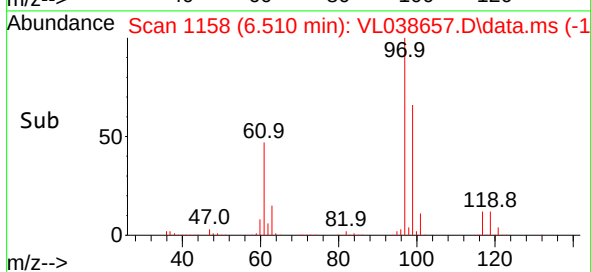
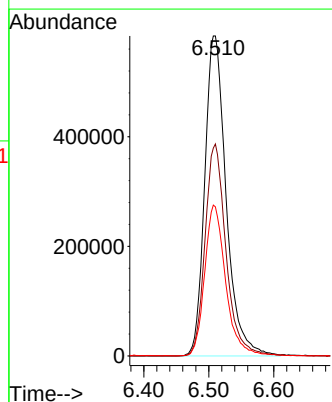
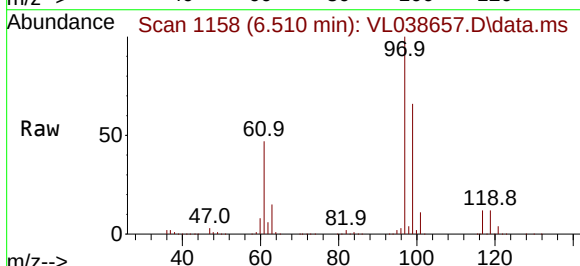
Manual Integrations
APPROVED

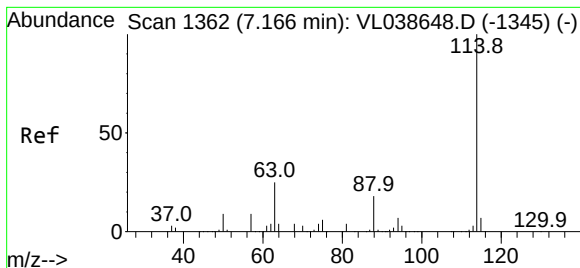
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#32
1,1,1-Trichloroethane
Concen: 9.499 ppbv
RT: 6.510 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

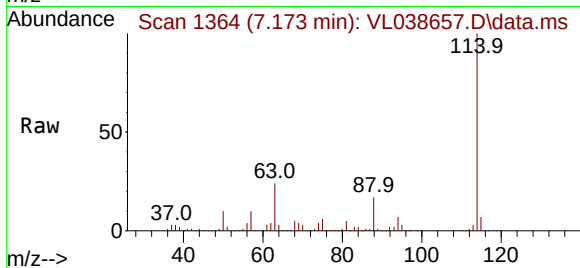
Tgt Ion: 97 Resp: 1342964
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 46.6 36.7 55.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 1114
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

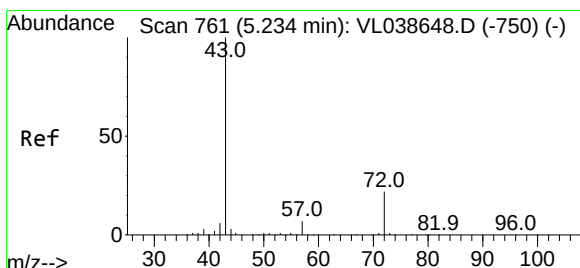
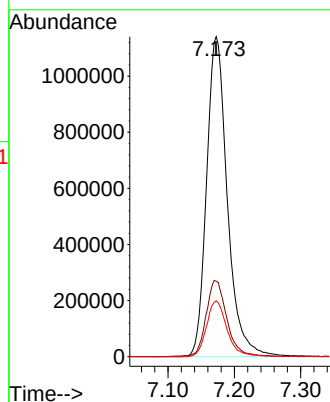
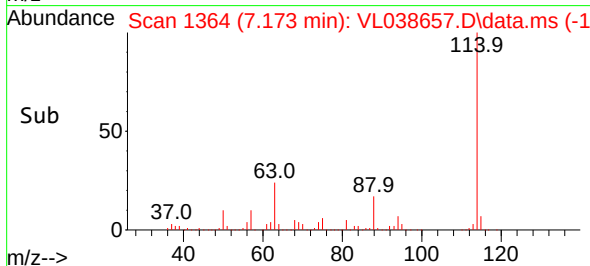
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion:114 Resp: 247886
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.0
88 17.3 13.9 20.9

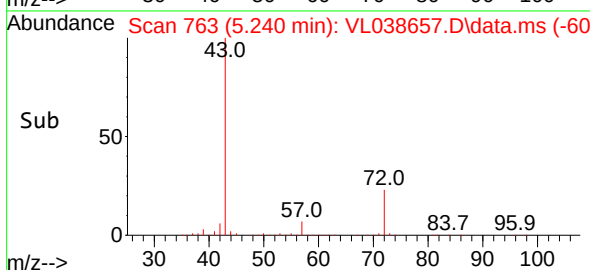
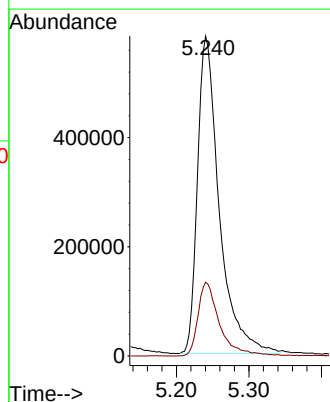
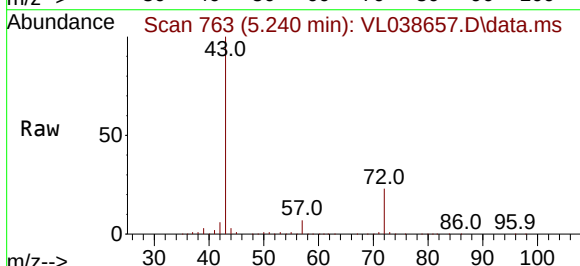
Manual Integrations
APPROVED

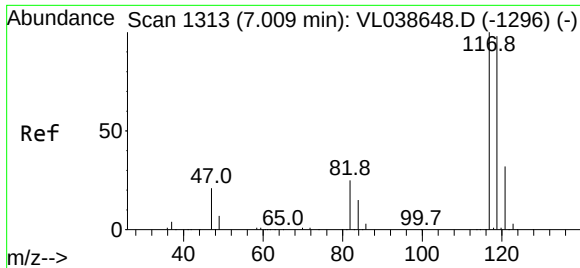
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#34
2-Butanone
Concen: 12.366 ppbv
RT: 5.240 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

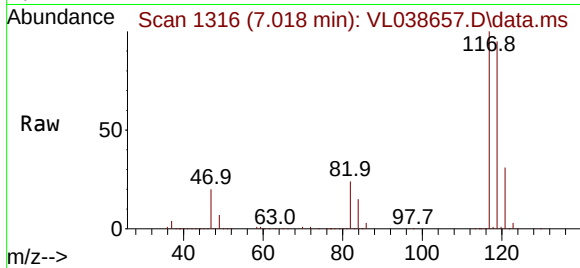
Tgt Ion: 43 Resp: 1213252
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.8





#35
Carbon Tetrachloride
Concen: 9.809 ppbv
RT: 7.018 min Scan# 1117
Delta R.T. 0.010 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

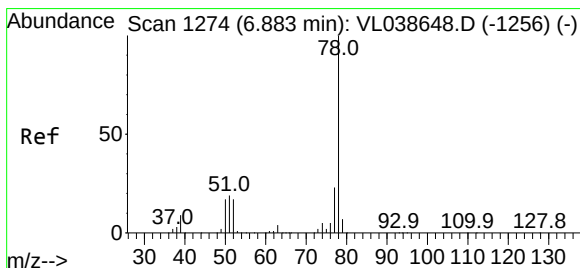
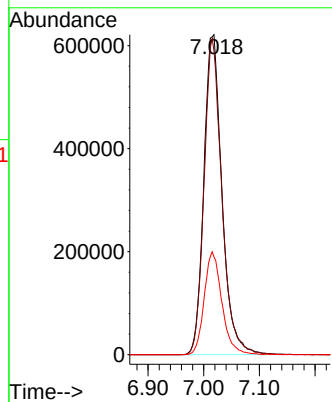
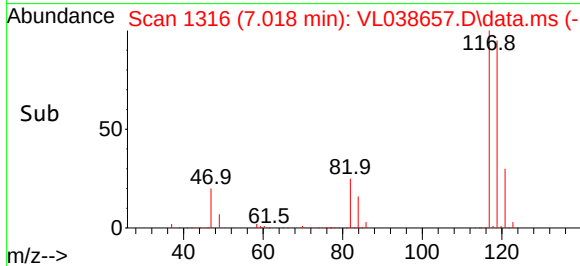
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



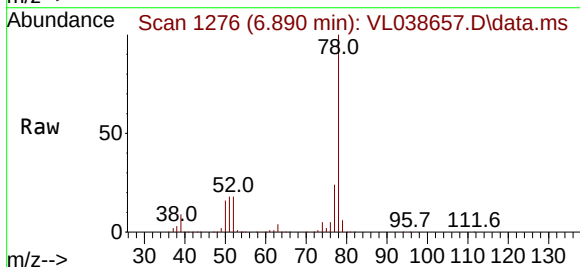
Tgt Ion: 117 Resp: 1410850
Ion Ratio Lower Upper
117 100
119 95.0 78.1 117.1
121 30.6 25.8 38.6

Manual Integrations
APPROVED

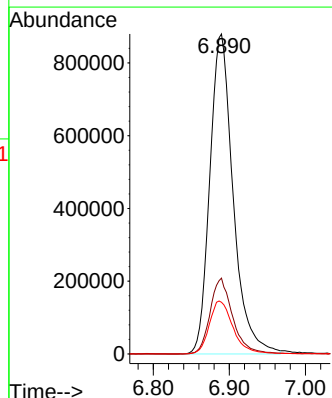
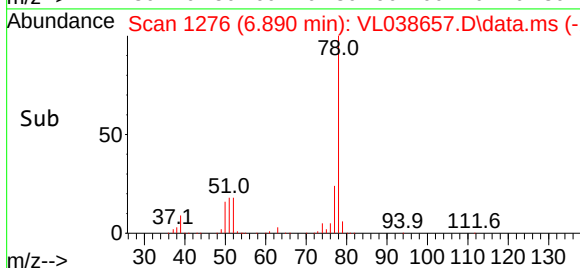
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

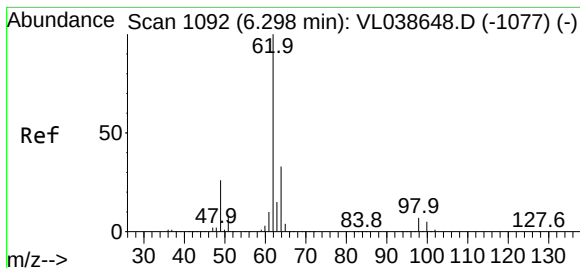


#36
Benzene
Concen: 9.789 ppbv
RT: 6.890 min Scan# 1276
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



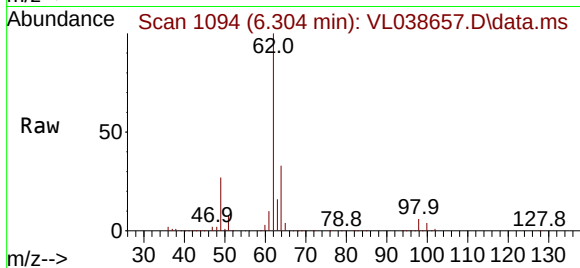
Tgt Ion: 78 Resp: 1872772
Ion Ratio Lower Upper
78 100
77 23.6 18.1 27.1
50 16.1 13.6 20.4





#37
1,2-Dichloroethane
Concen: 9.805 ppbv
RT: 6.304 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

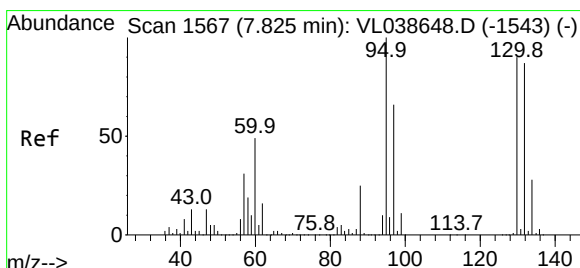
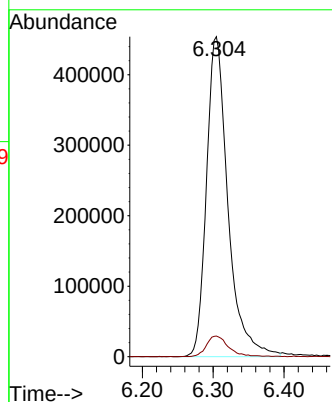
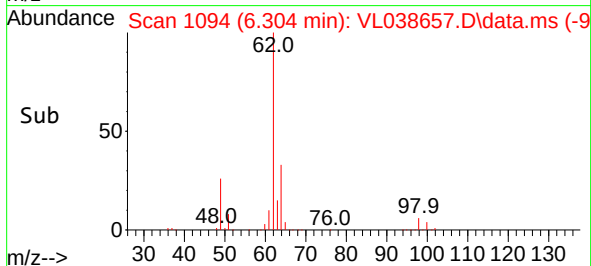
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



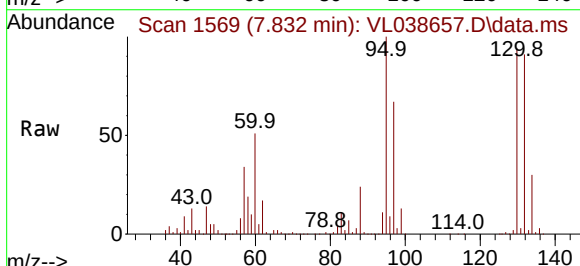
Tgt Ion: 62 Resp: 954240
Ion Ratio Lower Upper
62 100
98 6.8 5.6 8.4

Manual Integrations
APPROVED

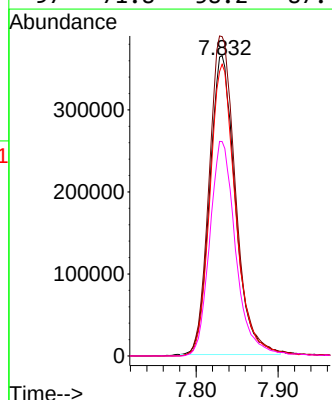
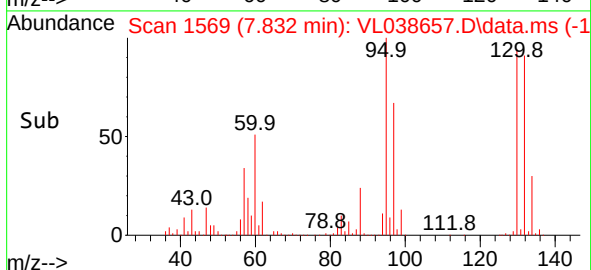
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

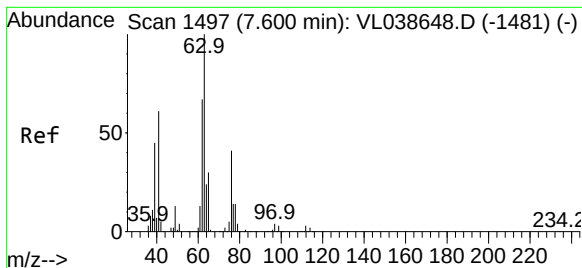


#38
Trichloroethene
Concen: 9.836 ppbv
RT: 7.832 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



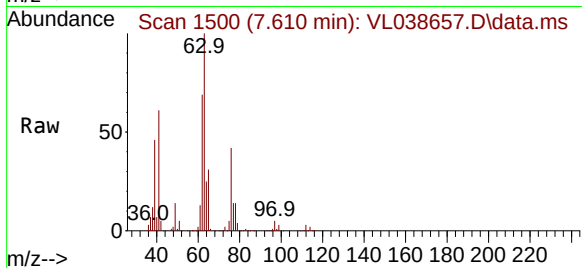
Tgt Ion:130 Resp: 788267
Ion Ratio Lower Upper
130 100
95 106.8 88.9 133.3
132 97.6 77.4 116.0
97 71.8 58.2 87.4





#39
1,2-Dichloropropane
Concen: 9.706 ppbv
RT: 7.610 min Scan# 1497
Delta R.T. 0.010 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

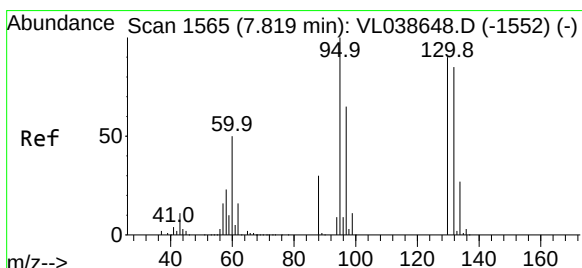
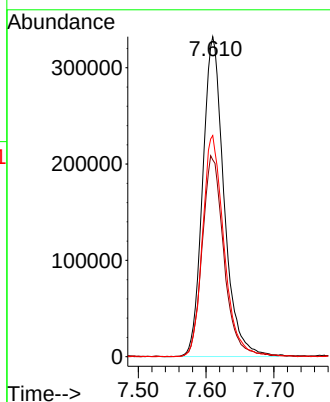
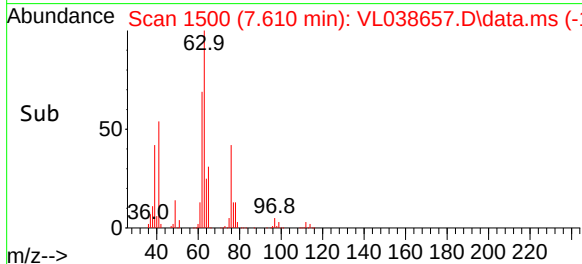
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 63 Resp: 725950
Ion Ratio Lower Upper
63 100
41 61.4 49.0 73.6
62 69.1 53.9 80.9

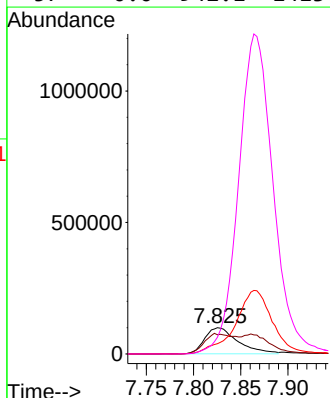
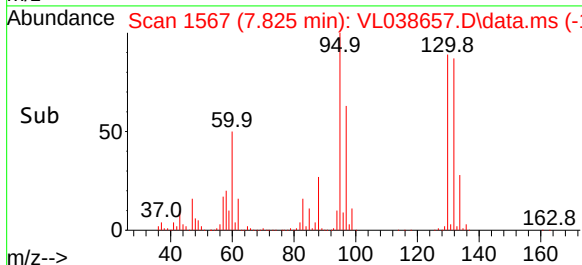
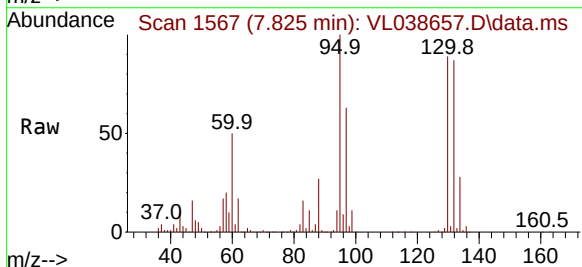
Manual Integrations
APPROVED

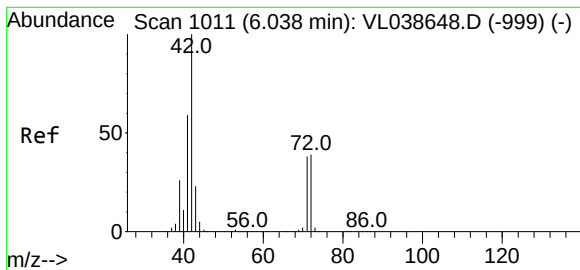
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#40
1,4-Dioxane
Concen: 9.287 ppbv
RT: 7.825 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

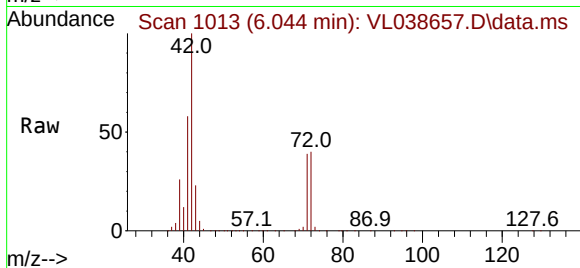
Tgt Ion: 88 Resp: 241209
Ion Ratio Lower Upper
88 100
58 72.0 105.6 158.4#
43 0.0 201.9 302.9#
57 0.0 942.1 1413.1#





#41
Tetrahydrofuran
Concen: 10.208 ppbv
RT: 6.044 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

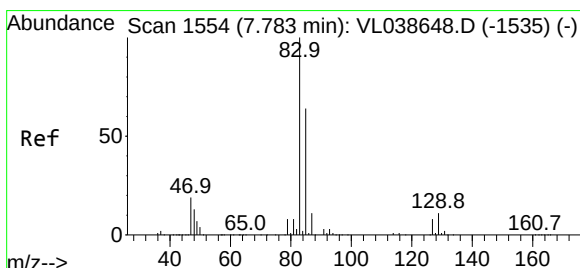
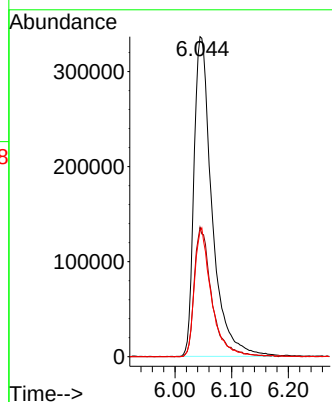
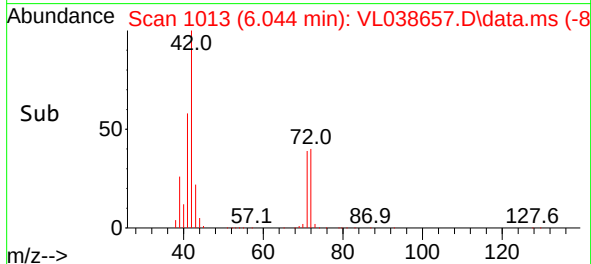
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 42 Resp: 745430
Ion Ratio Lower Upper
42 100
72 39.5 32.5 48.7
71 38.2 31.4 47.2

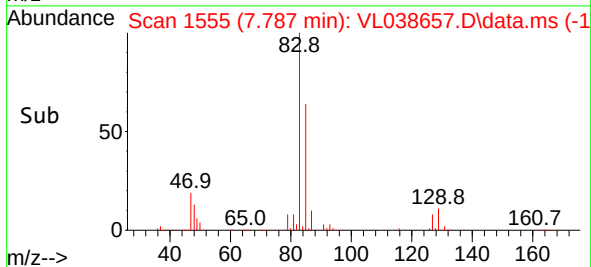
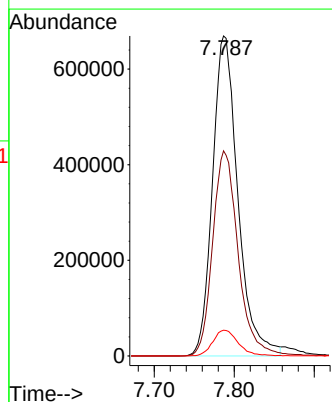
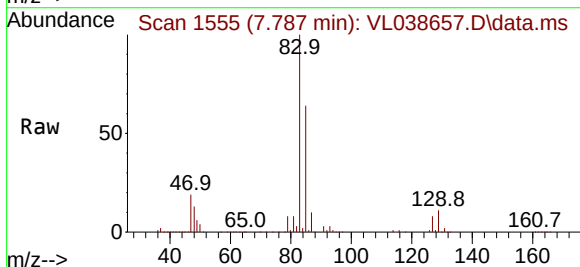
Manual Integrations
APPROVED

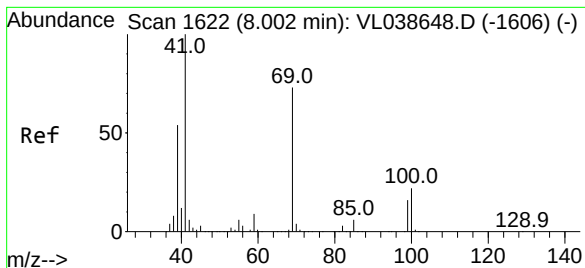
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#42
Bromodichloromethane
Concen: 10.103 ppbv
RT: 7.787 min Scan# 1555
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

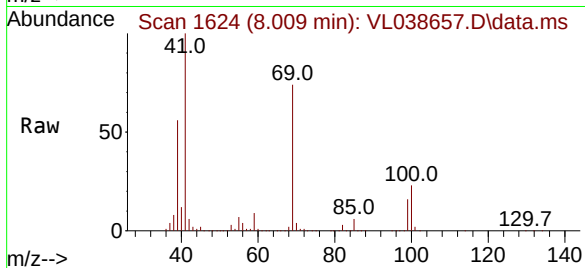
Tgt Ion: 83 Resp: 1474050
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 8.1 6.5 9.7





#43
Methyl Methacrylate
Concen: 10.715 ppbv
RT: 8.009 min Scan# 1624
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

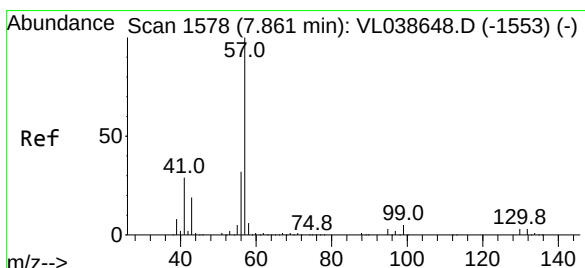
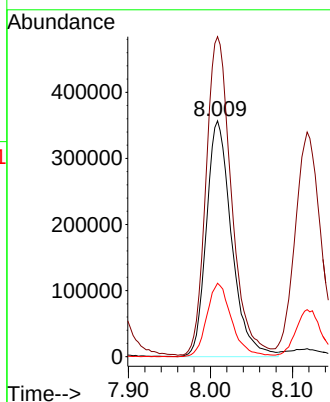
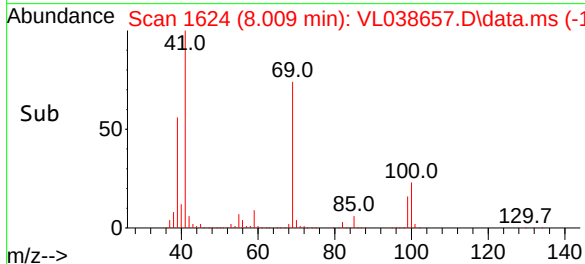
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



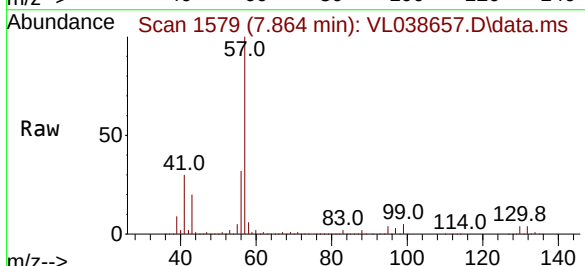
Tgt Ion: 69 Resp: 761069
Ion Ratio Lower Upper
69 100
41 137.6 110.3 165.5
100 30.8 24.8 37.2

Manual Integrations
APPROVED

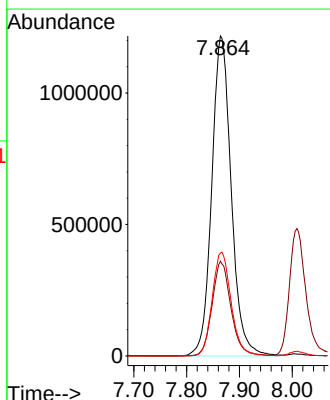
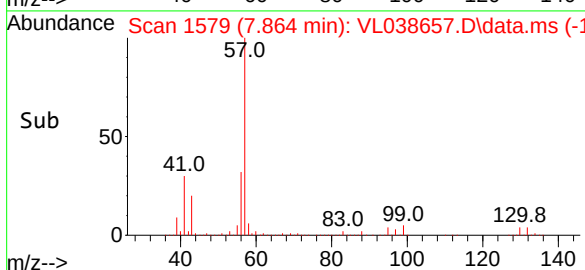
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

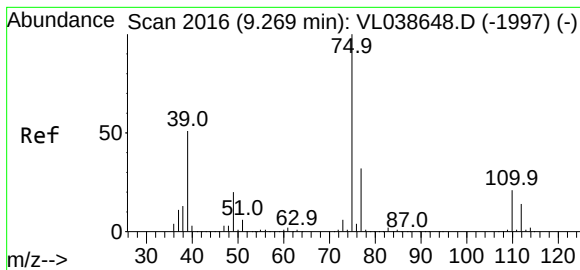


#44
2,2,4-Trimethylpentane
Concen: 9.711 ppbv
RT: 7.864 min Scan# 1579
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



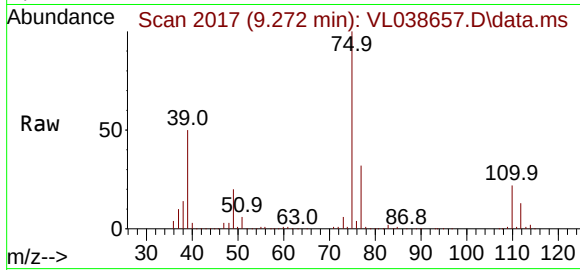
Tgt Ion: 57 Resp: 3119391
Ion Ratio Lower Upper
57 100
41 28.5 23.0 34.4
56 31.6 25.3 37.9





#45
 t-1,3-Dichloropropene
 Concen: 11.714 ppbv
 RT: 9.272 min Scan# 2016
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

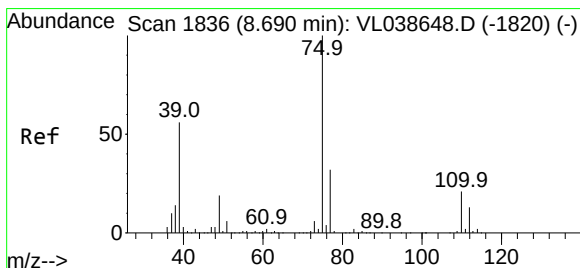
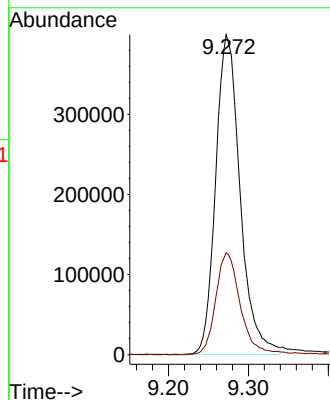
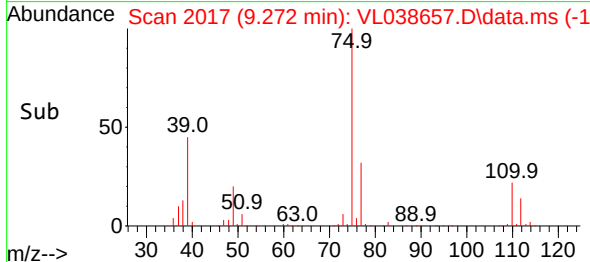
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



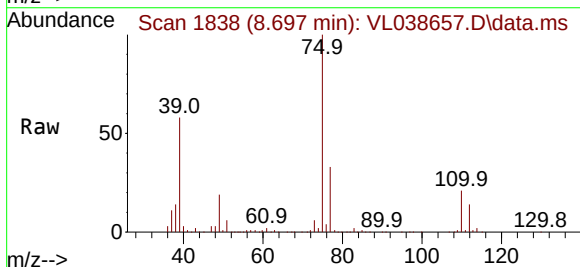
Tgt Ion: 75 Resp: 845960
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3

Manual Integrations
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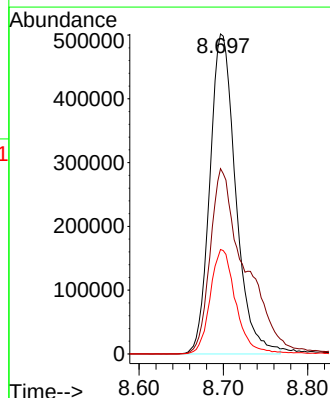
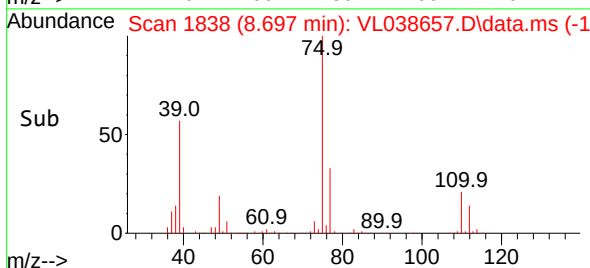
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

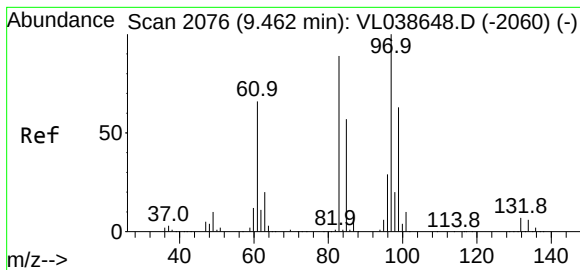


#46
 cis-1,3-Dichloropropene
 Concen: 10.945 ppbv
 RT: 8.697 min Scan# 1838
 Delta R.T. 0.006 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34



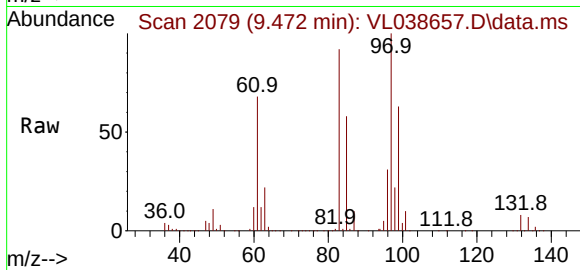
Tgt Ion: 75 Resp: 1068838
 Ion Ratio Lower Upper
 75 100
 39 57.8 44.8 67.2
 77 32.6 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 9.559 ppbv
RT: 9.472 min Scan# 2076
Delta R.T. 0.010 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

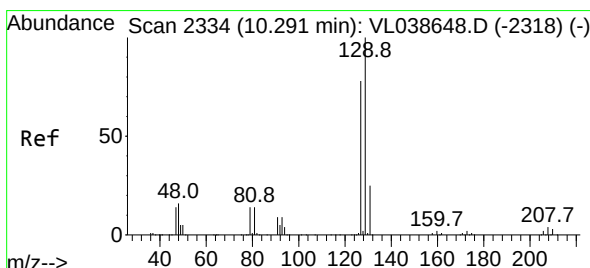
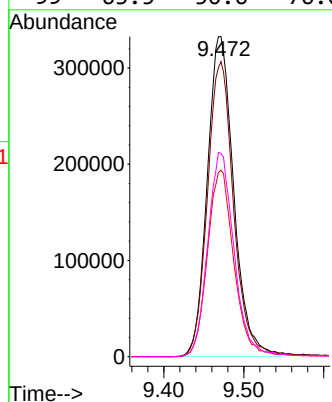
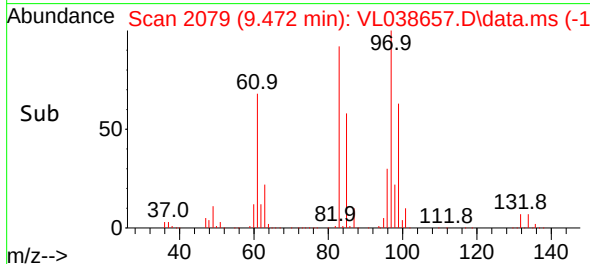
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 97 Resp: 763317
Ion Ratio Lower Upper
97 100
83 92.1 71.2 106.8
85 58.3 45.3 67.9
99 63.5 50.6 76.0

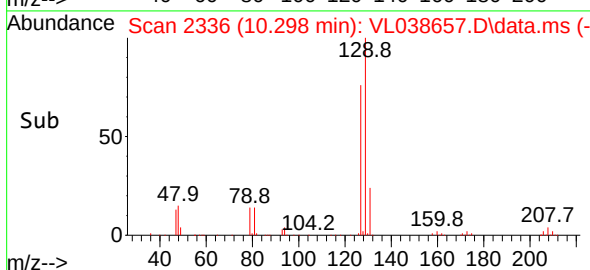
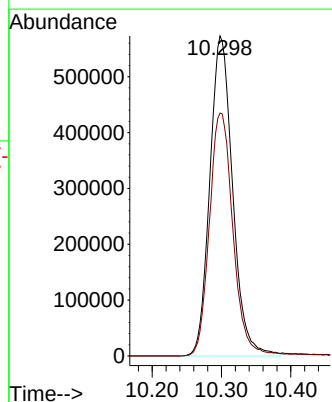
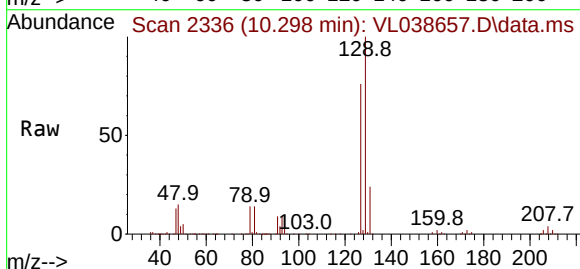
Manual Integrations
APPROVED

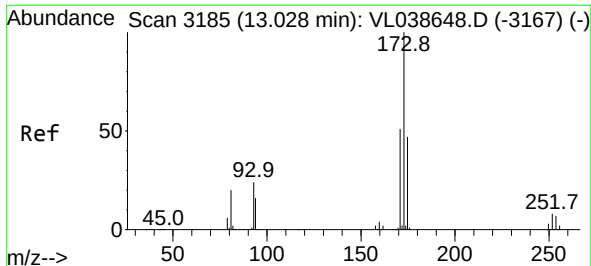
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#48
Dibromochloromethane
Concen: 10.467 ppbv
RT: 10.298 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

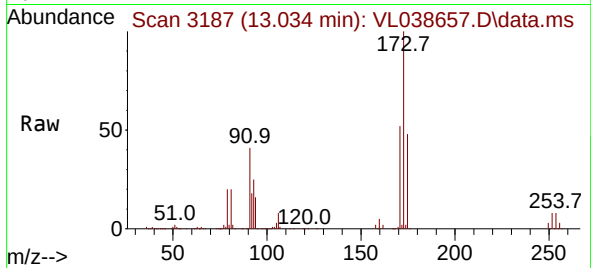
Tgt Ion:129 Resp: 1309193
Ion Ratio Lower Upper
129 100
127 78.9 39.5 118.5





#49
Bromoform
Concen: 10.490 ppbv
RT: 13.034 min Scan# 3185
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

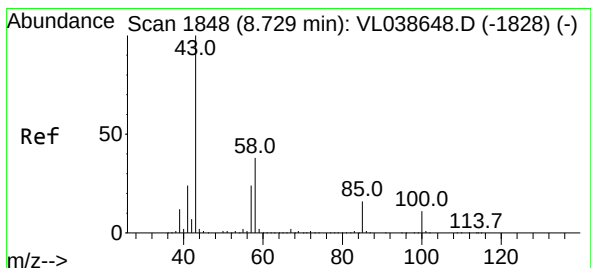
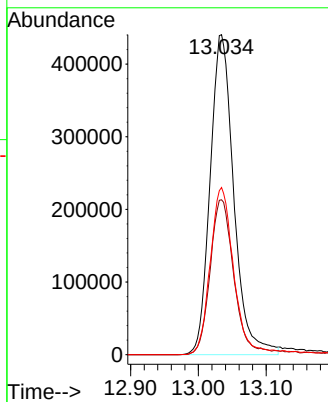
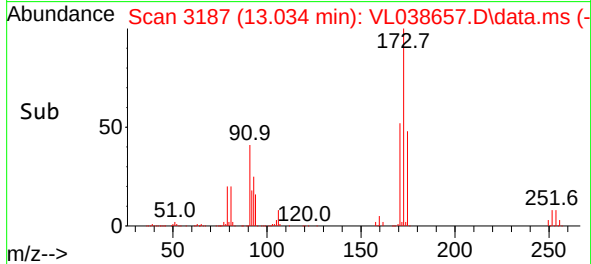
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion:173 Resp: 106937
Ion Ratio Lower Upper
173 100
175 50.7 41.0 61.6
171 53.8 43.1 64.7

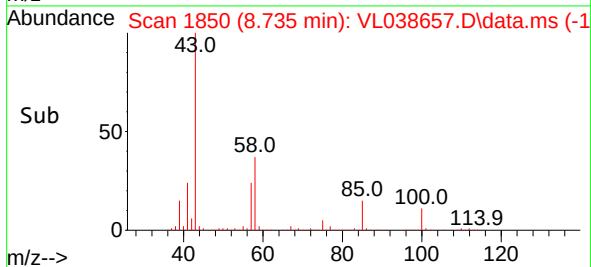
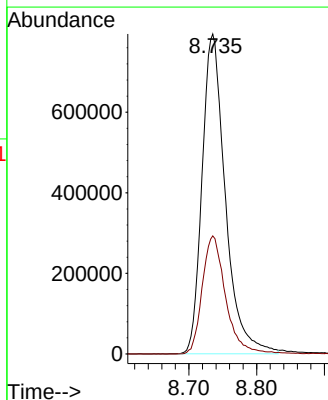
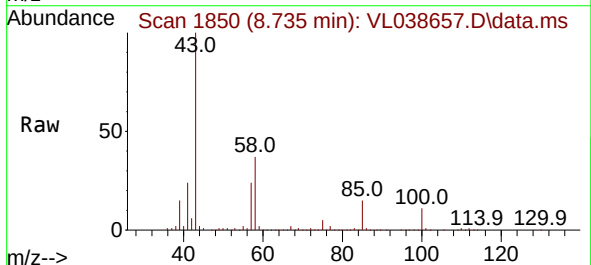
Manual Integrations
APPROVED

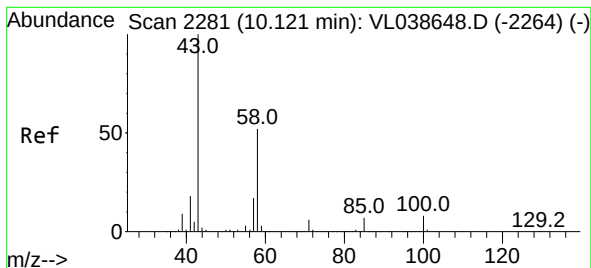
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#50
4-Methyl-2-Pentanone
Concen: 10.388 ppbv
RT: 8.735 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

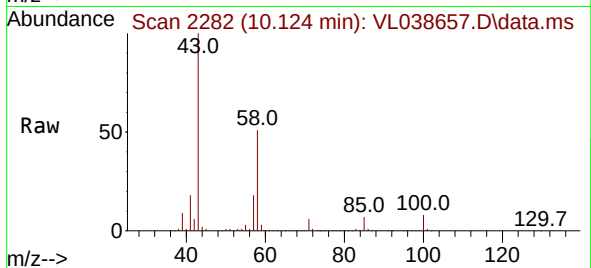
Tgt Ion: 43 Resp: 1894776
Ion Ratio Lower Upper
43 100
58 37.3 29.9 44.9





#51
2-Hexanone
Concen: 11.048 ppbv
RT: 10.124 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

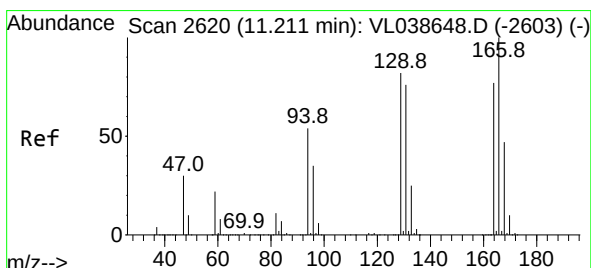
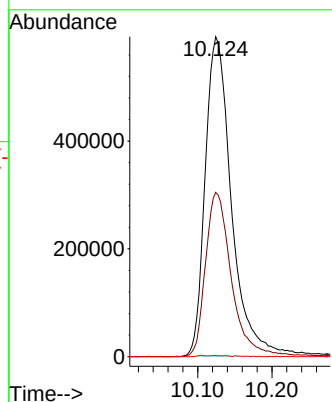
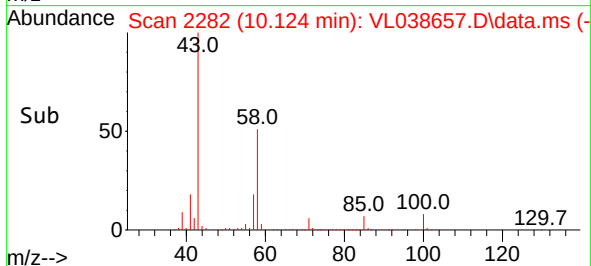
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion: 43 Resp: 1447424
Ion Ratio Lower Upper
43 100
58 51.8 41.2 61.8
98 0.5 0.2 0.4

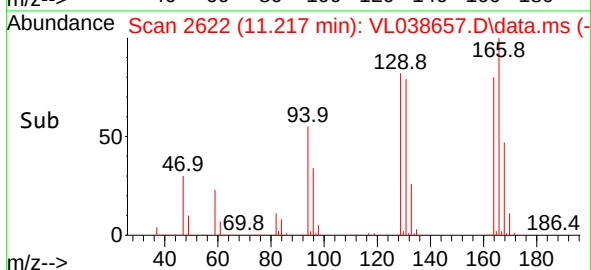
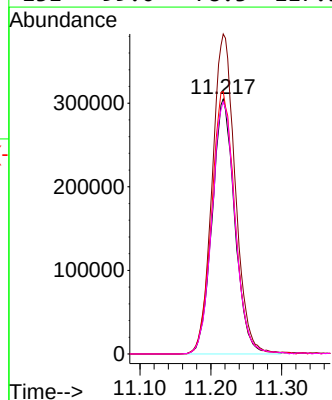
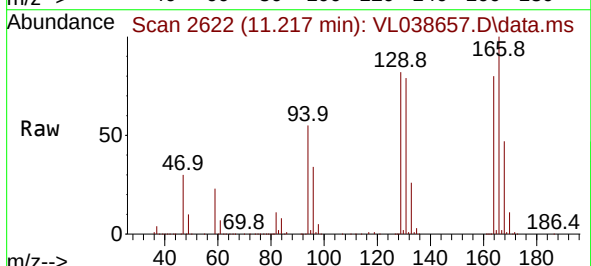
Manual Integrations
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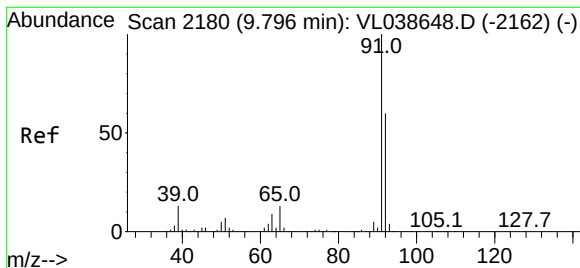
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#52
Tetrachloroethene
Concen: 9.603 ppbv
RT: 11.217 min Scan# 2622
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion:164 Resp: 672337
Ion Ratio Lower Upper
164 100
166 125.6 103.3 154.9
129 103.0 85.2 127.8
131 99.0 78.3 117.5





#53

Toluene

Concen: 10.464 ppbv

RT: 9.799 min Scan# 2180

Delta R.T. 0.003 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01

Tgt Ion: 91 Resp: 215098

Ion Ratio Lower Upper

91 100

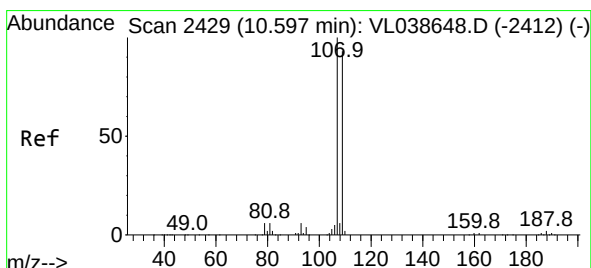
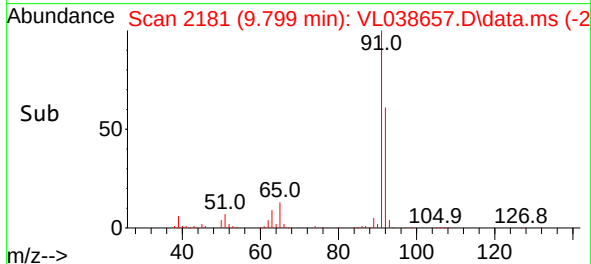
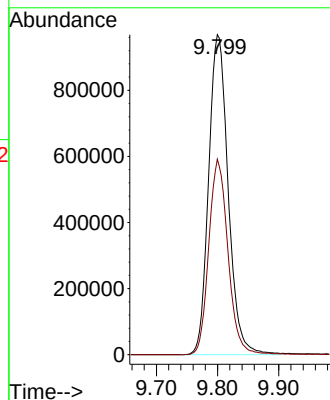
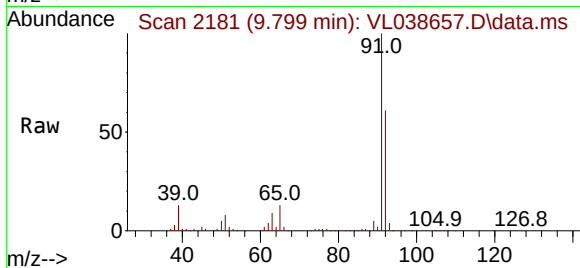
92 60.1 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#54

1,2-Dibromoethane

Concen: 10.166 ppbv

RT: 10.603 min Scan# 2431

Delta R.T. 0.006 min

Lab File: VL038657.D

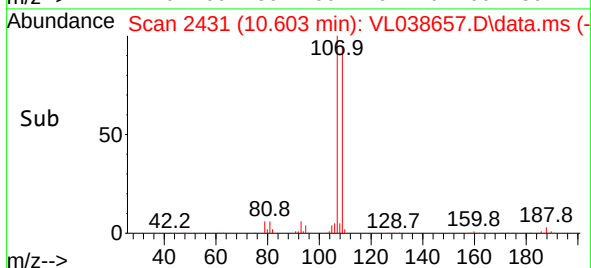
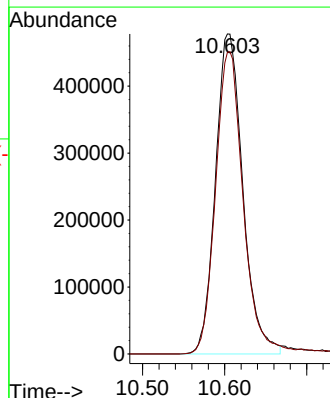
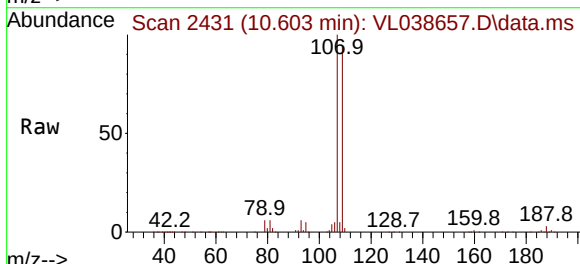
Acq: 21 Mar 2022 19:34

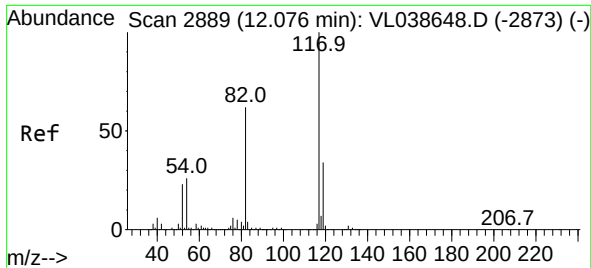
Tgt Ion:107 Resp: 1108364

Ion Ratio Lower Upper

107 100

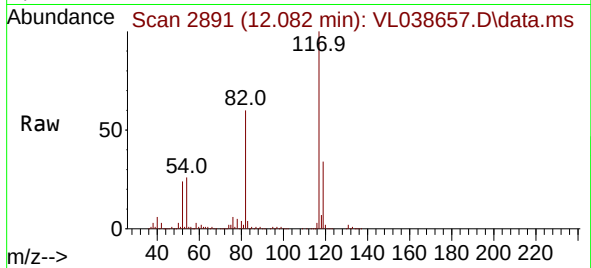
109 94.2 74.1 111.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.082 min Scan# 2889
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

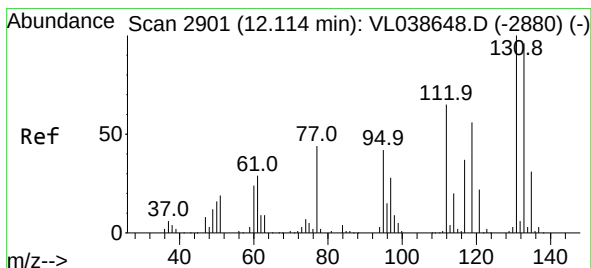
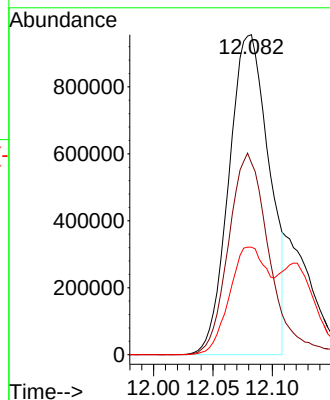
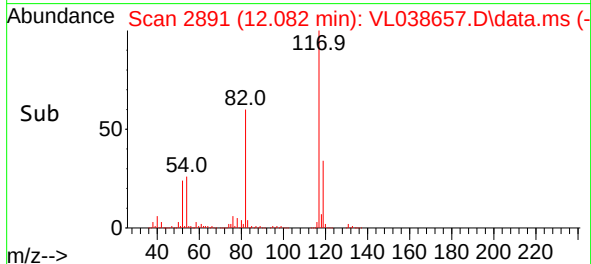
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



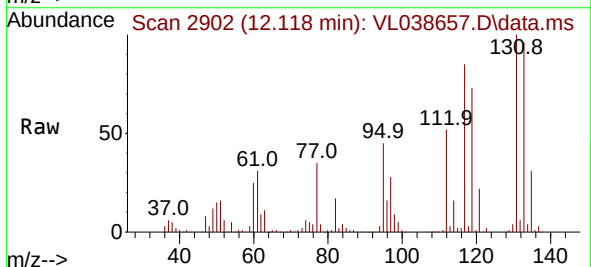
Tgt Ion:117 Resp: 2255110
Ion Ratio Lower Upper
117 100
82 65.6 51.6 77.4
119 60.4 26.9 40.3

Manual Integrations
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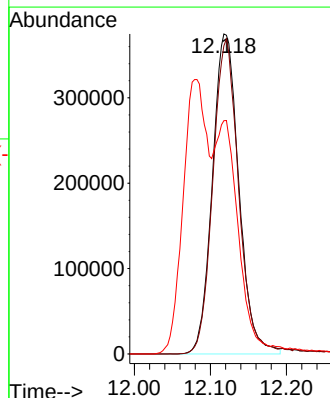
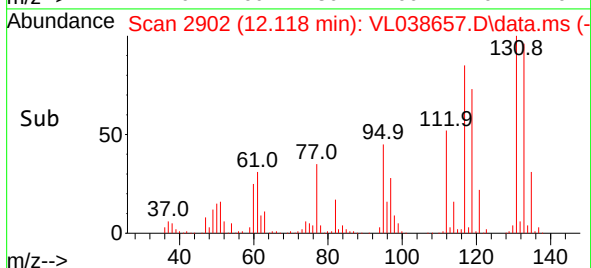
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

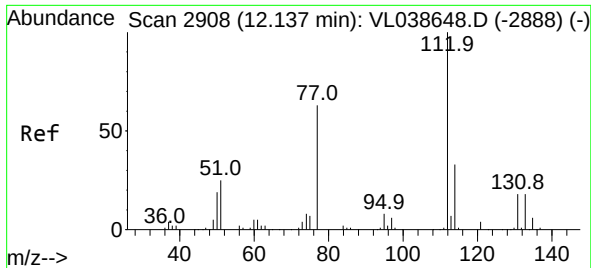


#56
1,1,1,2-Tetrachloroethane
Concen: 9.678 ppbv
RT: 12.118 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



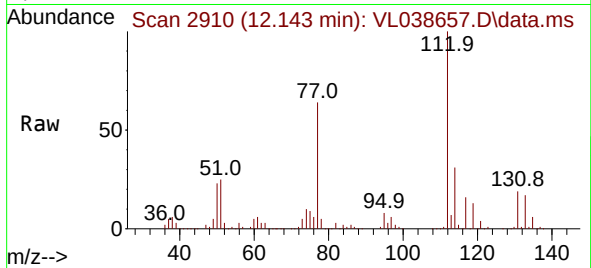
Tgt Ion:131 Resp: 904854
Ion Ratio Lower Upper
131 100
133 98.5 77.3 115.9
119 67.1 53.0 79.6





#57
Chlorobenzene
Concen: 9.655 ppbv
RT: 12.143 min Scan# 2908
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

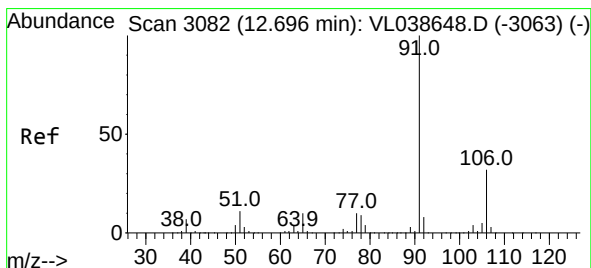
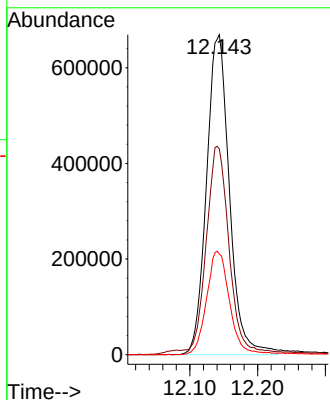
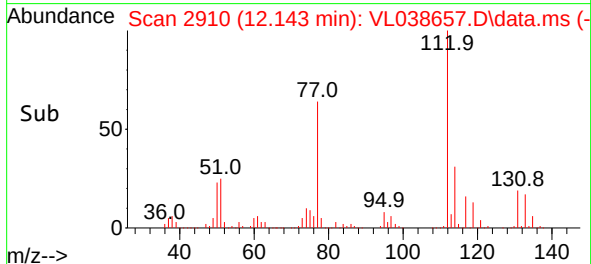
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



Tgt Ion:112 Resp: 1570330
Ion Ratio Lower Upper
112 100
77 63.4 51.0 76.6
114 31.3 29.8 36.4

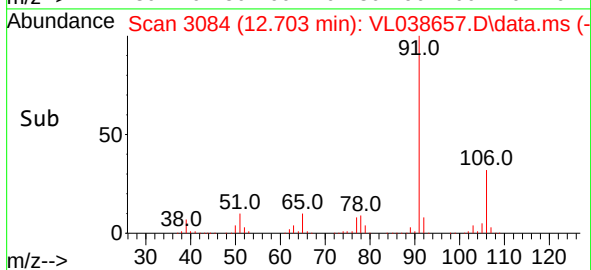
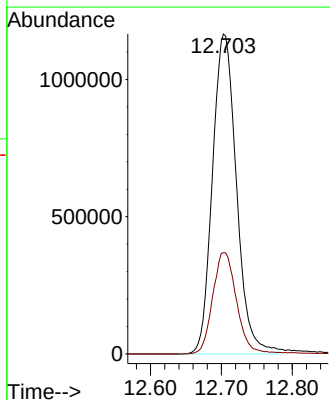
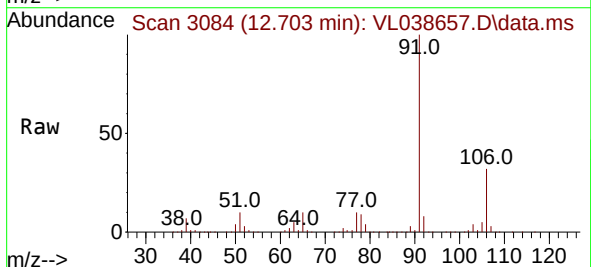
Manual Integrations
APPROVED

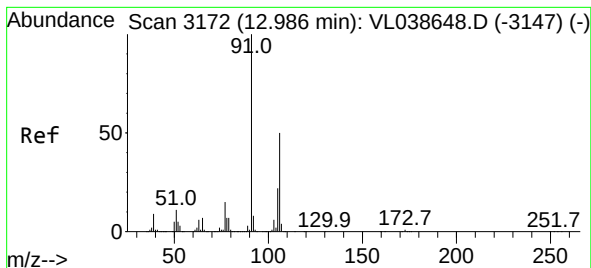
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#58
Ethyl Benzene
Concen: 10.403 ppbv
RT: 12.703 min Scan# 3084
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion: 91 Resp: 2742677
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0





#59

m/p-Xylene

Concen: 19.833 ppbv m

RT: 12.989 min Scan# 3173

Delta R.T. 0.003 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01

Tgt Ion: 91 Resp: 457366

Ion Ratio Lower Upper

91 100

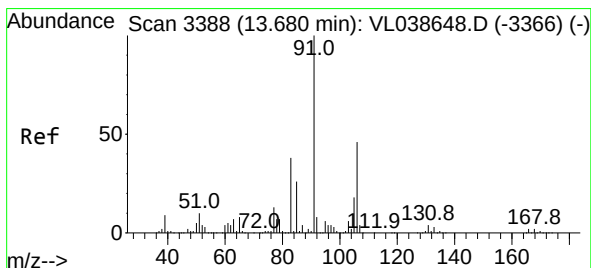
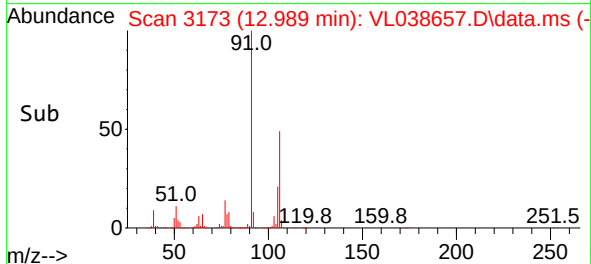
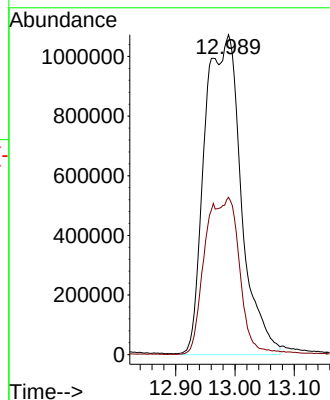
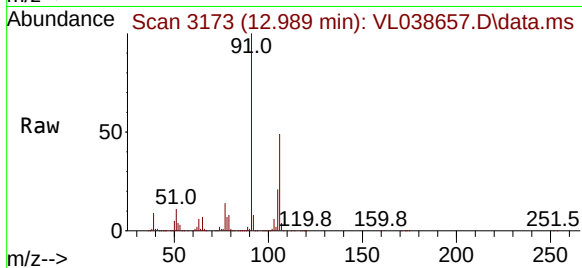
106 47.3 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#60

o-Xylene

Concen: 10.086 ppbv

RT: 13.684 min Scan# 3389

Delta R.T. 0.003 min

Lab File: VL038657.D

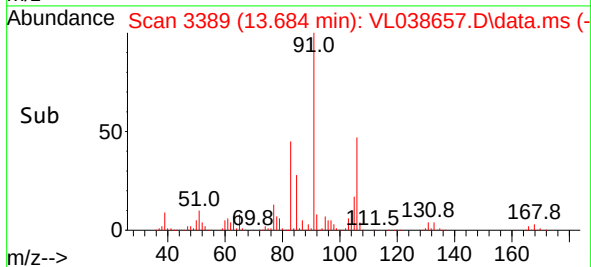
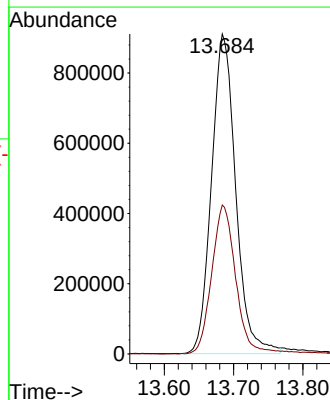
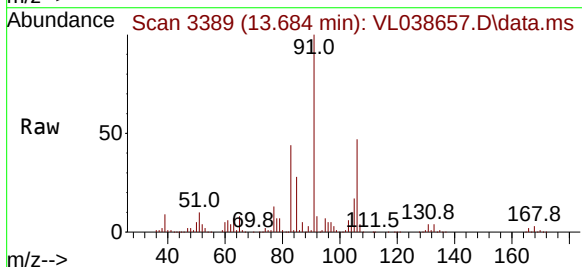
Acq: 21 Mar 2022 19:34

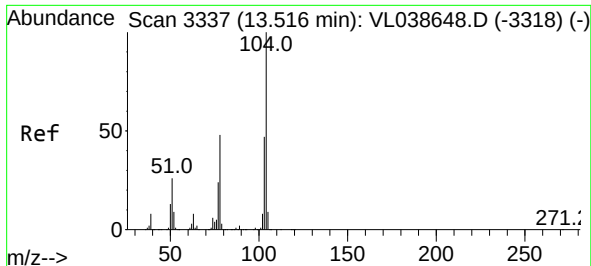
Tgt Ion: 91 Resp: 2208507

Ion Ratio Lower Upper

91 100

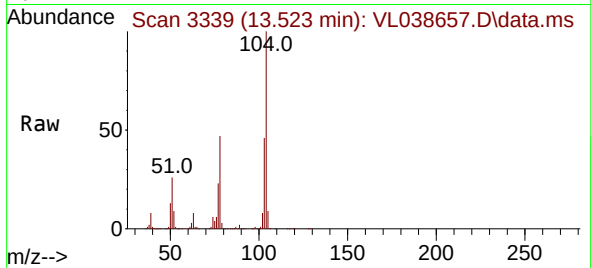
106 47.2 23.5 70.5





#61
Styrene
Concen: 11.250 ppbv
RT: 13.523 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

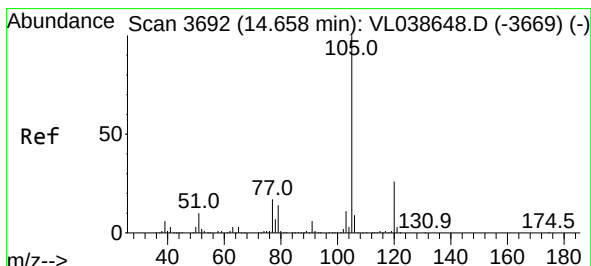
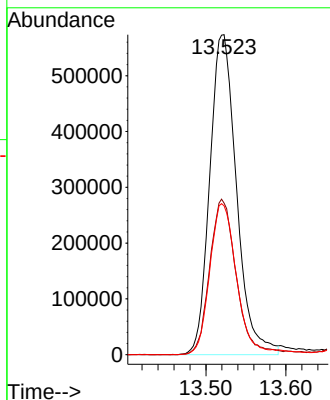
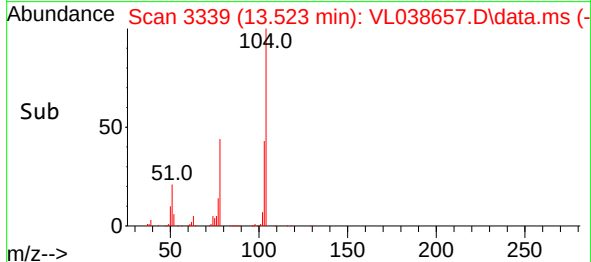
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



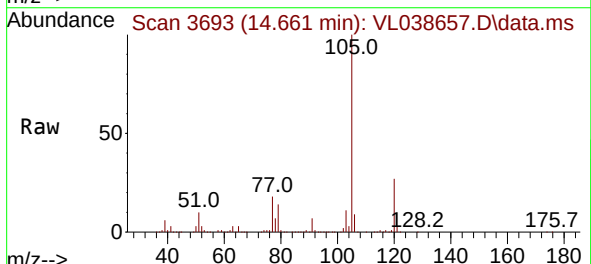
Tgt Ion:104 Resp: 1335810
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 48.0 37.8 56.8

Manual Integrations
APPROVED

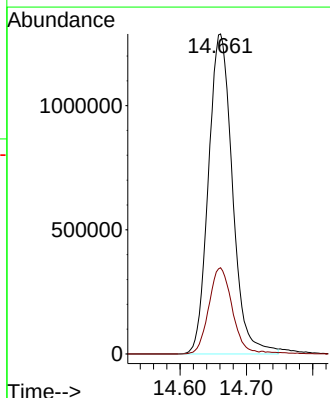
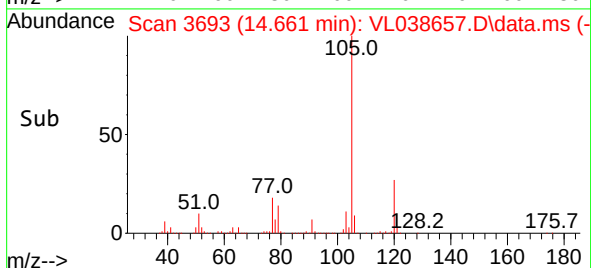
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

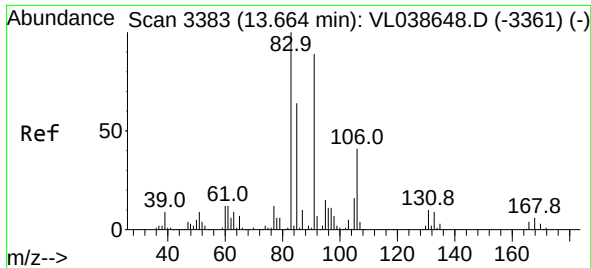


#62
Isopropylbenzene
Concen: 9.851 ppbv
RT: 14.661 min Scan# 3693
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



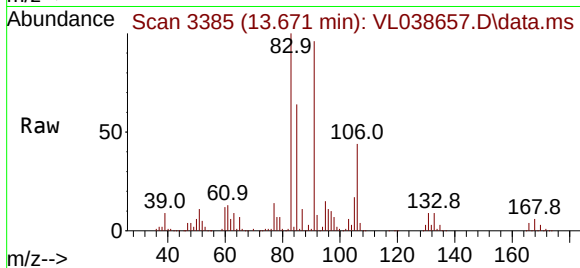
Tgt Ion:105 Resp: 3242716
Ion Ratio Lower Upper
105 100
120 26.8 21.2 31.8





#63
1,1,2,2-Tetrachloroethane
Concen: 8.685 ppbv
RT: 13.671 min Scan# 3111
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

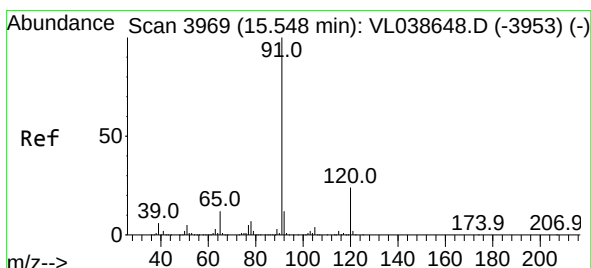
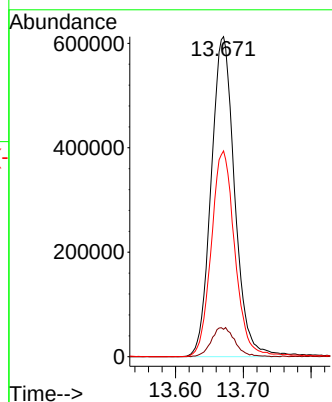
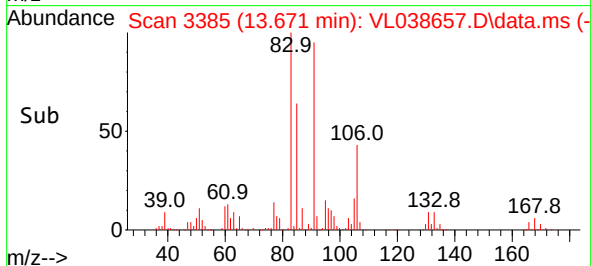
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



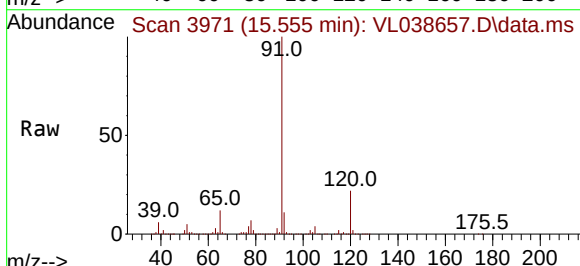
Tgt Ion: 83 Resp: 147311
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 65.5 32.6 97.8

Manual Integrations
APPROVED

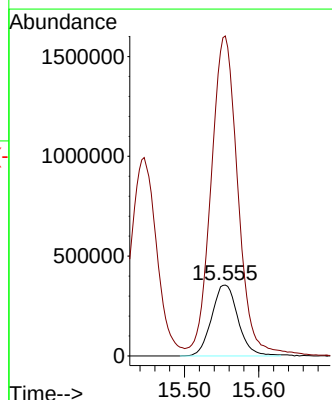
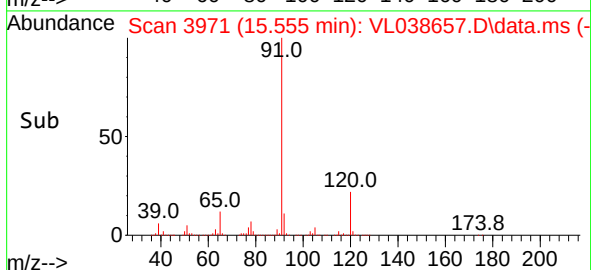
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

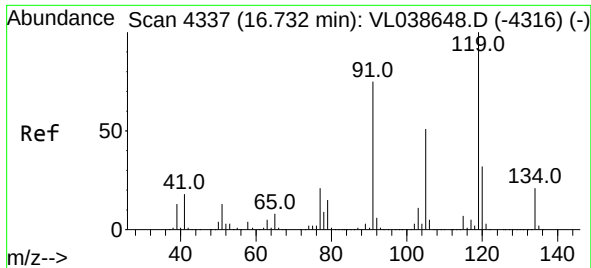


#64
n-propylbenzene
Concen: 10.145 ppbv
RT: 15.555 min Scan# 3971
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



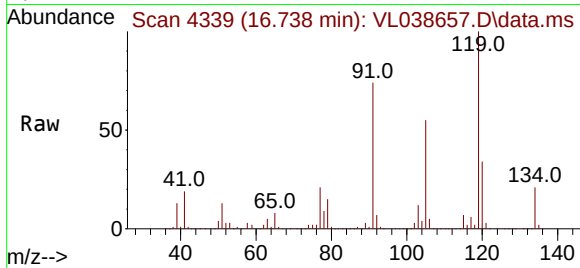
Tgt Ion:120 Resp: 876261
Ion Ratio Lower Upper
120 100
91 460.0 368.0 552.0





#65
tert-Butylbenzene
Concen: 9.618 ppbv
RT: 16.738 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

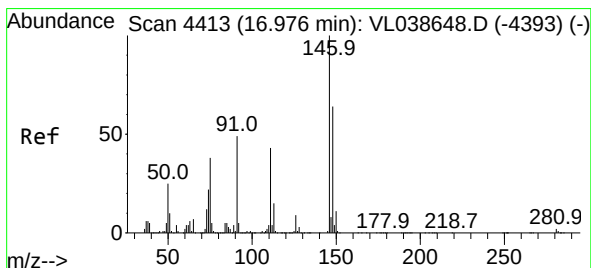
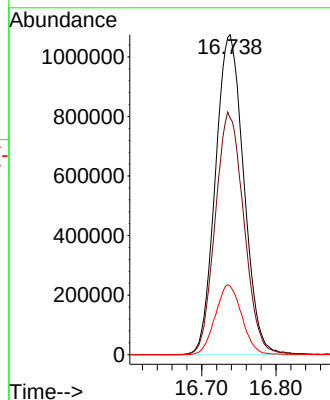
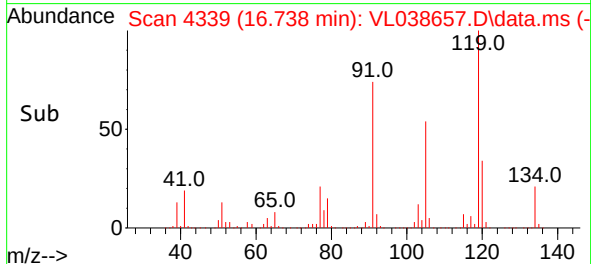
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



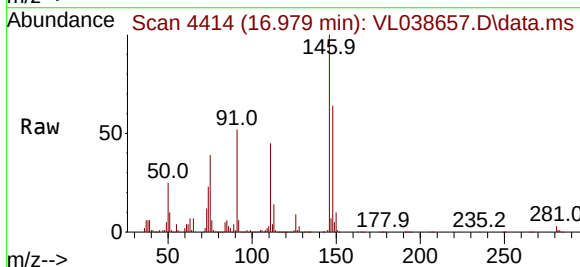
Tgt Ion: 119 Resp: 2844838
Ion Ratio Lower Upper
119 100
91 76.8 61.2 91.8
134 20.5 16.3 24.5

Manual Integrations
APPROVED

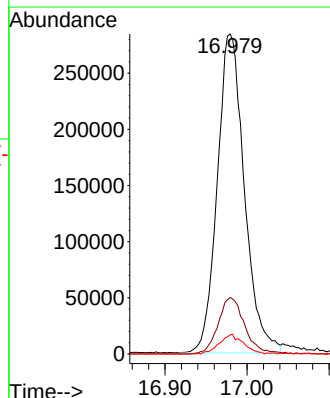
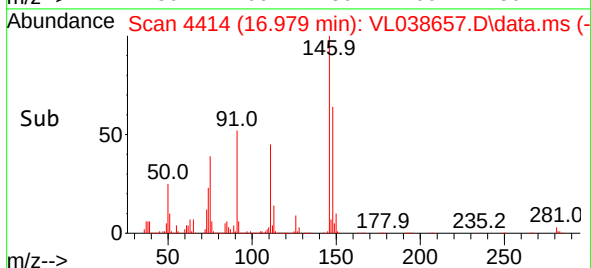
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

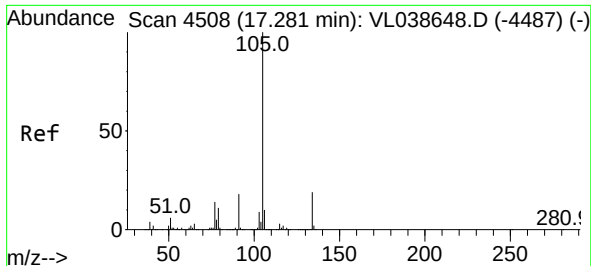


#66
Benzyl Chloride
Concen: 11.658 ppbv
RT: 16.979 min Scan# 4414
Delta R.T. 0.003 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



Tgt Ion: 91 Resp: 652937
Ion Ratio Lower Upper
91 100
126 17.5 14.3 21.5
128 5.6 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.689 ppbv

RT: 17.288 min Scan# 4508

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01

Tgt Ion:105 Resp: 4098578

Ion Ratio Lower Upper

105 100

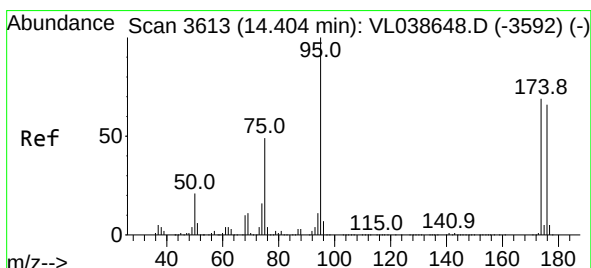
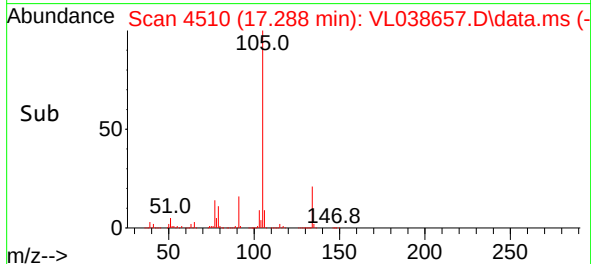
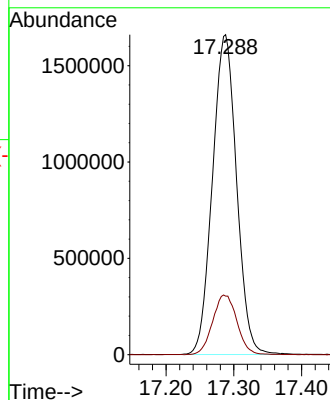
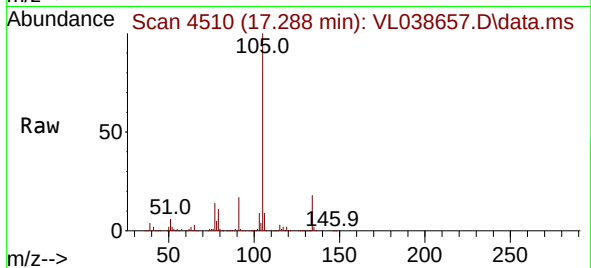
134 18.9 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.404 ppbv

RT: 14.407 min Scan# 3614

Delta R.T. 0.003 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

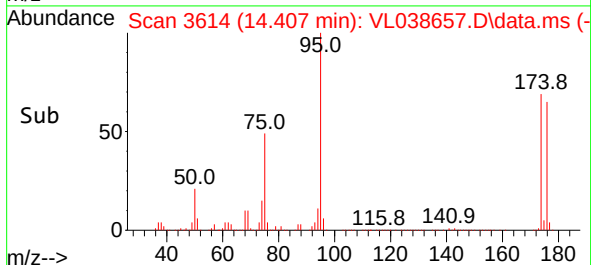
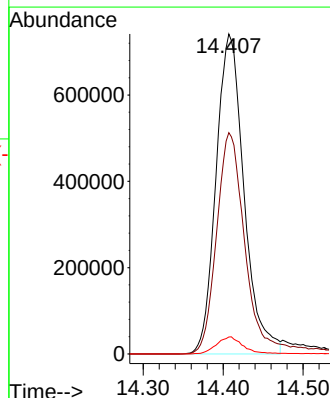
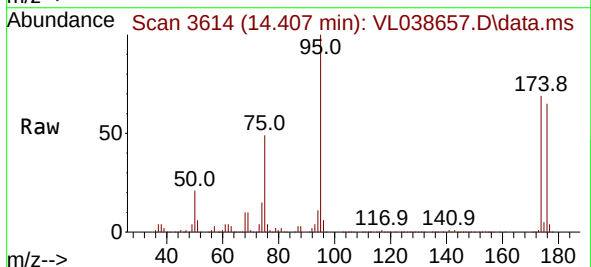
Tgt Ion: 95 Resp: 1798862

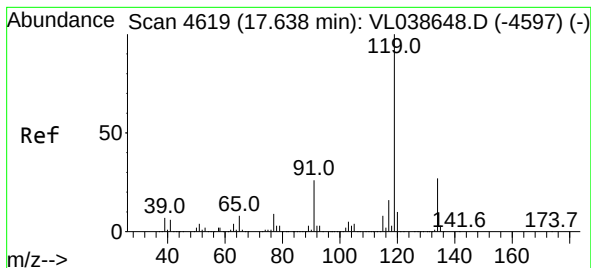
Ion Ratio Lower Upper

95 100

174 72.5 56.1 84.1

175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 9.896 ppbv

RT: 17.645 min Scan# 4621

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01

Tgt Ion:119 Resp: 3416600

Ion Ratio Lower Upper

119 100

134 26.5 21.2 31.8

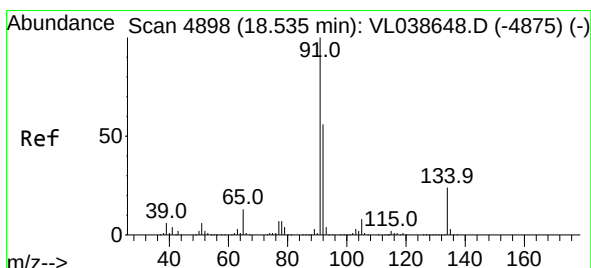
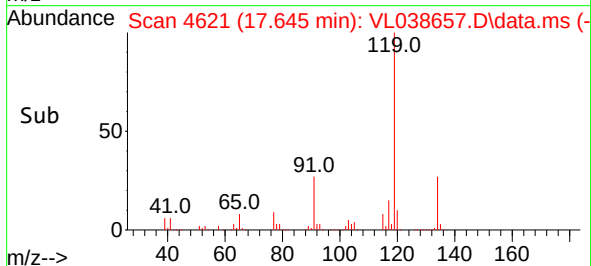
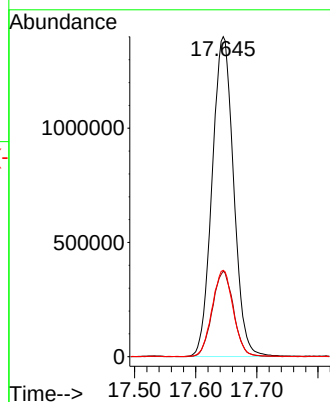
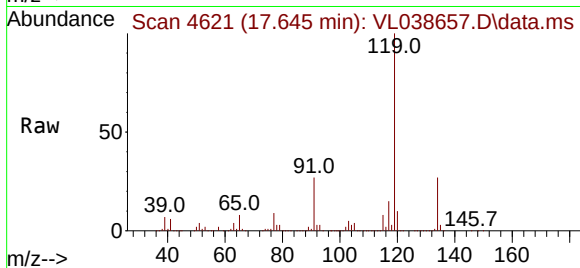
91 26.6 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#70

n-Butylbenzene

Concen: 10.054 ppbv

RT: 18.542 min Scan# 4900

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

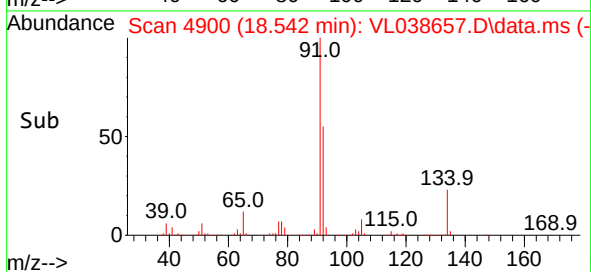
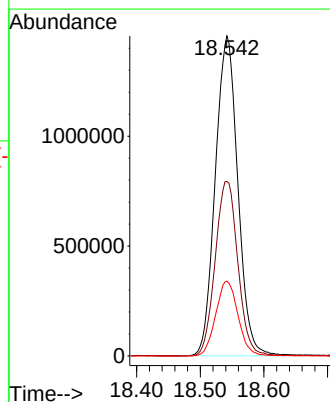
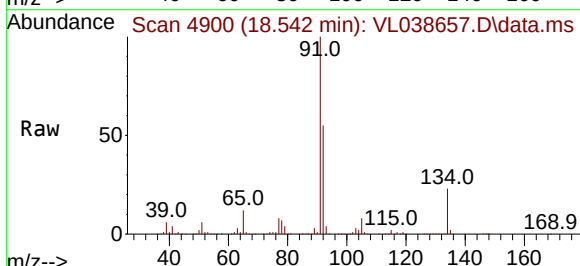
Tgt Ion: 91 Resp: 3580192

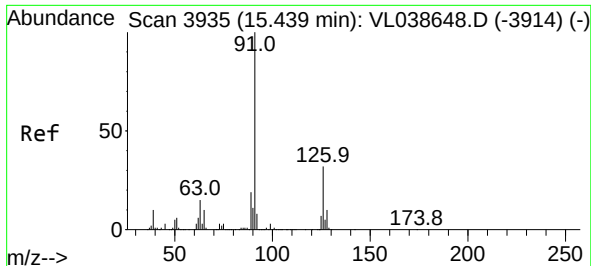
Ion Ratio Lower Upper

91 100

92 55.3 43.9 65.9

134 23.3 18.7 28.1





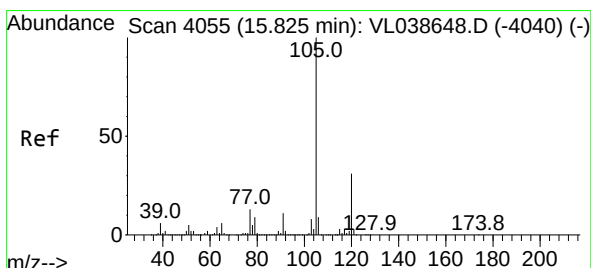
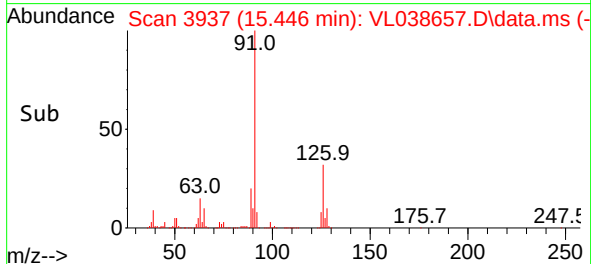
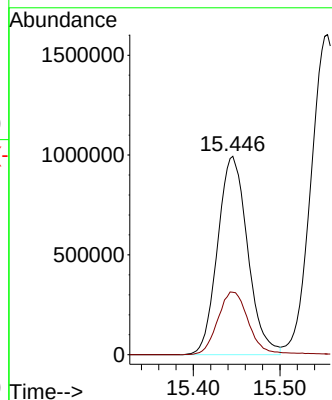
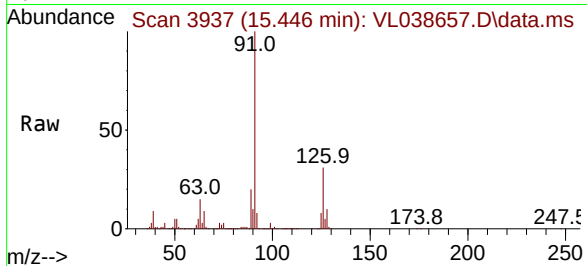
#71
2-Chlorotoluene
Concen: 9.783 ppbv
RT: 15.446 min Scan# 3935
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01

Tgt Ion: 91 Resp: 239030
Ion Ratio Lower Upper
91 100
126 33.2 13.1 52.3

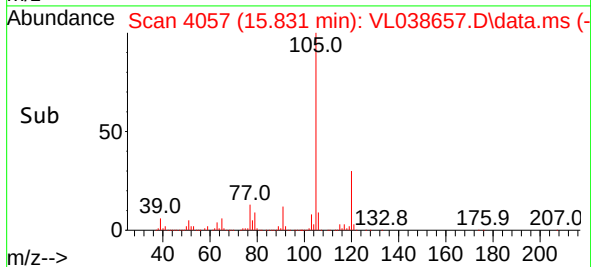
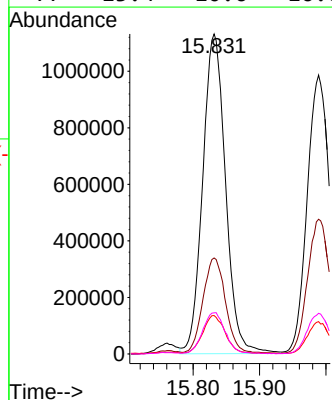
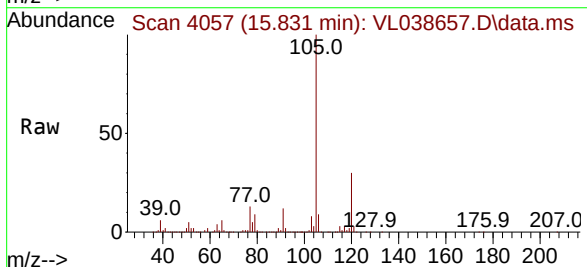
Manual Integrations
APPROVED

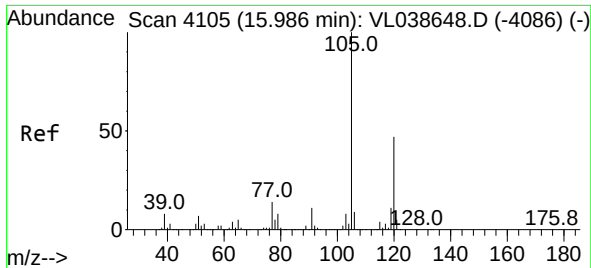
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#72
4-Ethyltoluene
Concen: 10.484 ppbv
RT: 15.831 min Scan# 4057
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

Tgt Ion:105 Resp: 2709911
Ion Ratio Lower Upper
105 100
120 30.2 24.9 37.3
91 12.8 9.8 14.6
77 13.4 10.6 16.0





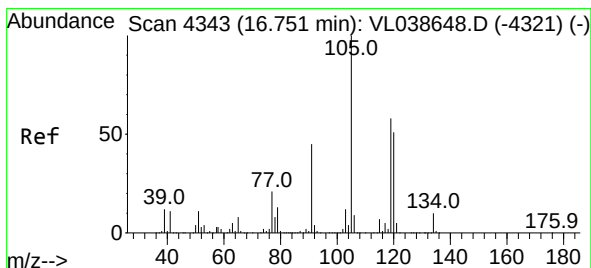
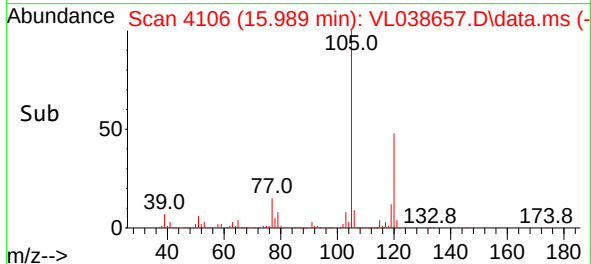
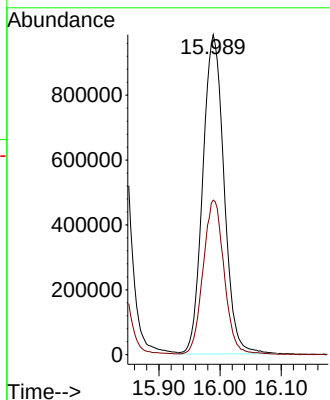
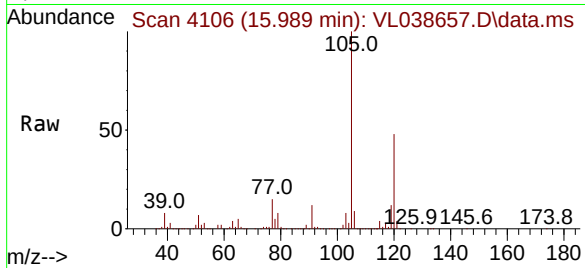
#73
 1,3,5-Trimethylbenzene
 Concen: 10.092 ppbv
 RT: 15.989 min Scan# 4105
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01

Tgt Ion:105 Resp: 237700
 Ion Ratio Lower Upper
 105 100
 120 48.3 37.6 56.4

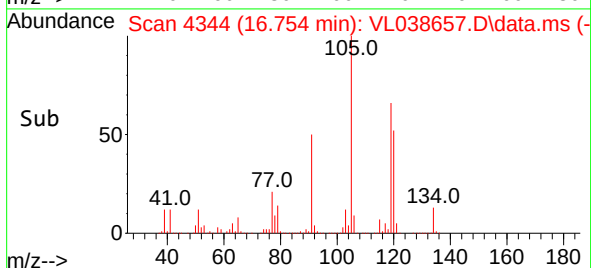
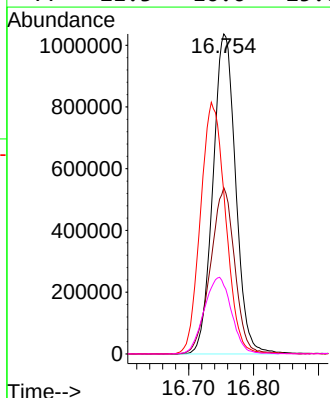
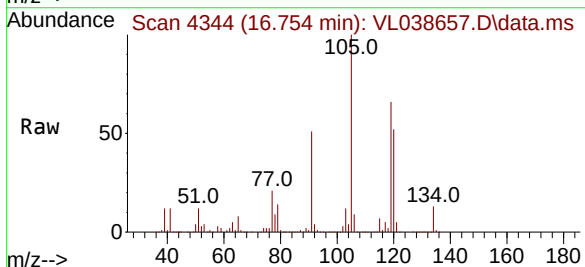
Manual Integrations
 APPROVED

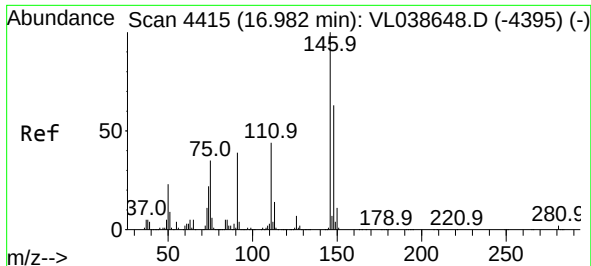
Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 9.776 ppbv
 RT: 16.754 min Scan# 4344
 Delta R.T. 0.003 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Tgt Ion:105 Resp: 2507893
 Ion Ratio Lower Upper
 105 100
 120 51.9 40.5 60.7
 91 50.2 35.9 53.9
 77 21.3 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 9.515 ppbv

RT: 16.989 min Scan# 4415

Delta R.T. 0.006 min

Lab File: VL038657.D

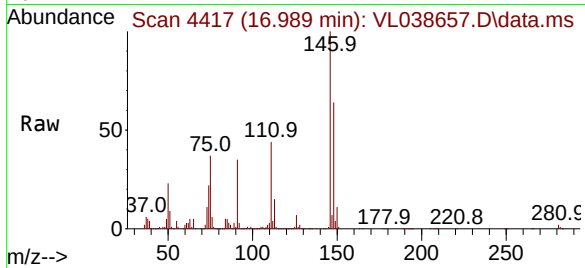
Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01



Tgt Ion:146 Resp: 1554872

Ion Ratio Lower Upper

146 100

111 44.5 22.2 66.6

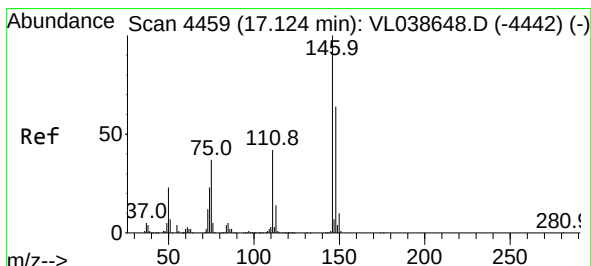
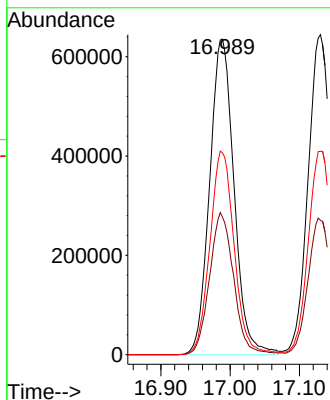
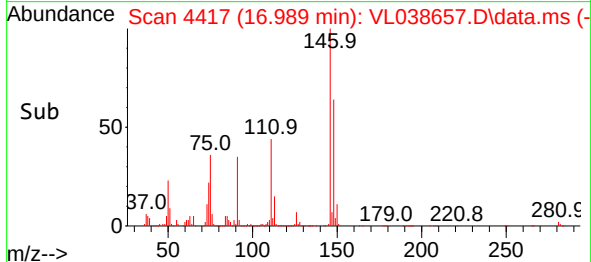
148 64.4 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#76

1,4-Dichlorobenzene

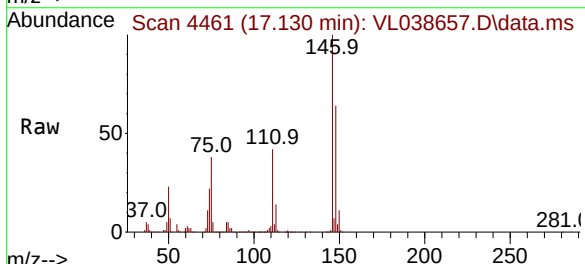
Concen: 9.307 ppbv

RT: 17.130 min Scan# 4461

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34



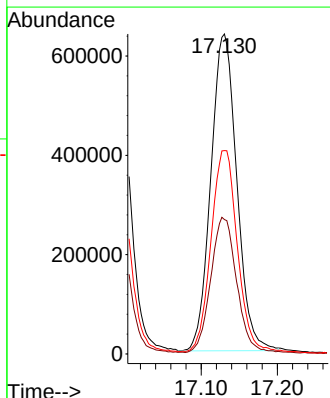
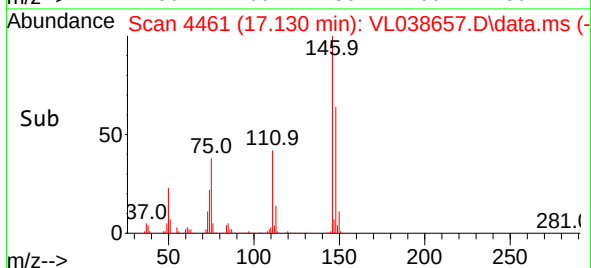
Tgt Ion:146 Resp: 1512453

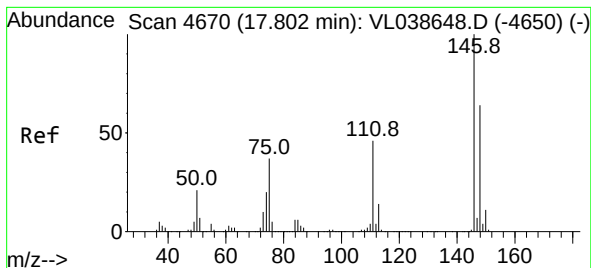
Ion Ratio Lower Upper

146 100

111 44.1 21.4 64.2

148 66.8 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.527 ppbv

RT: 17.809 min Scan# 401

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

Instrument :

MSVOA_L

ClientSampleId :

VL0321ABS01

Tgt Ion:146 Resp: 154224

Ion Ratio Lower Upper

146 100

111 46.5 22.8 68.4

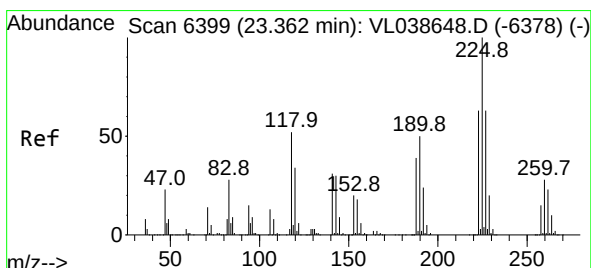
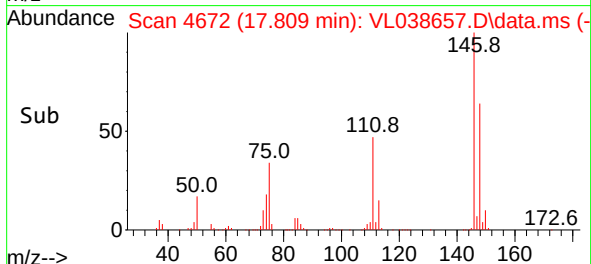
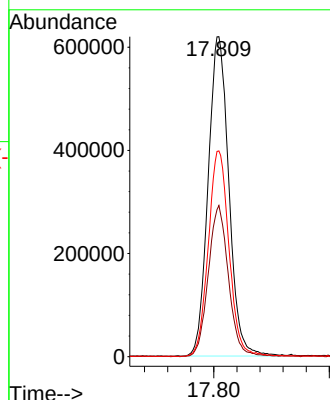
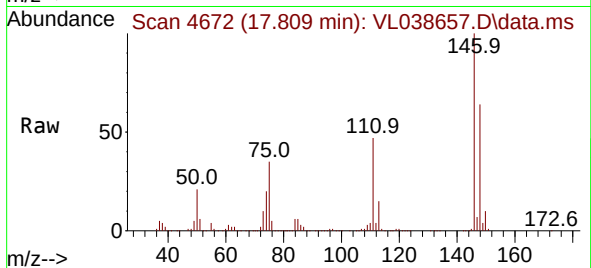
148 64.6 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#78

Hexachloro-1,3-Butadiene

Concen: 8.948 ppbv

RT: 23.368 min Scan# 6401

Delta R.T. 0.006 min

Lab File: VL038657.D

Acq: 21 Mar 2022 19:34

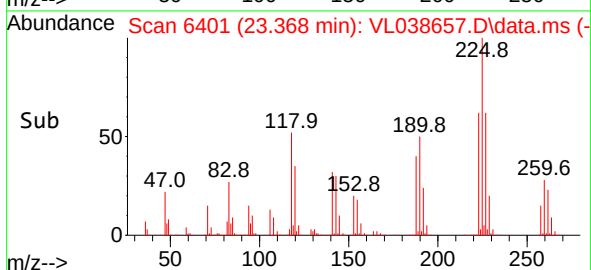
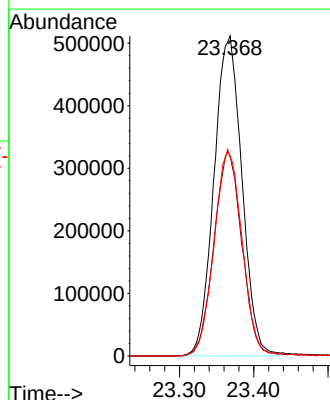
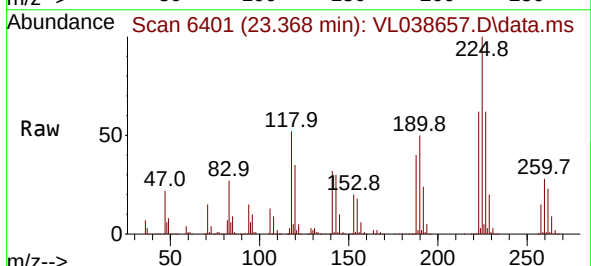
Tgt Ion:225 Resp: 1338747

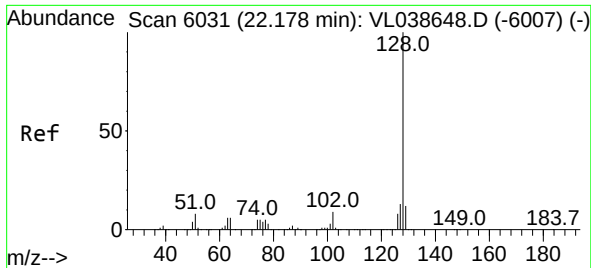
Ion Ratio Lower Upper

225 100

223 64.3 51.0 76.6

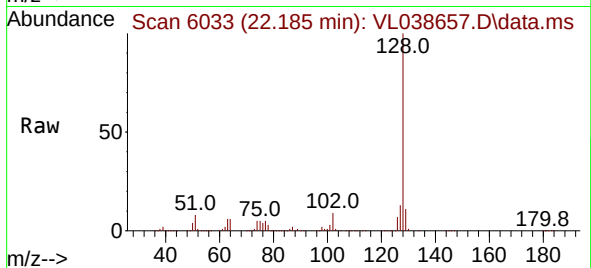
227 65.1 51.5 77.3





#79
Naphthalene
Concen: 13.030 ppbv
RT: 22.185 min Scan# 6031
Delta R.T. 0.006 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34

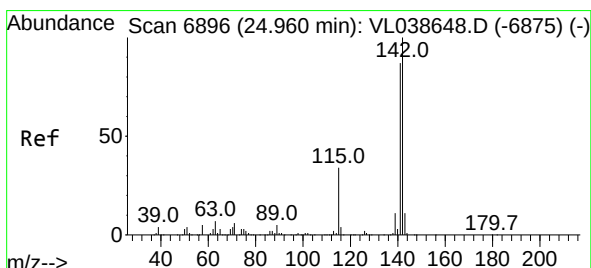
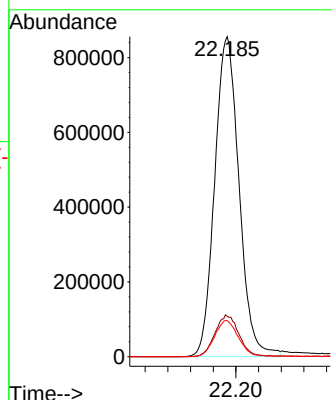
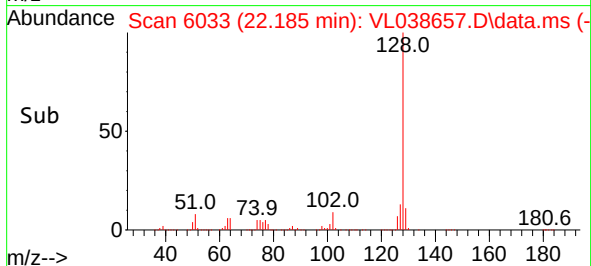
Instrument :
MSVOA_L
ClientSampleId :
VL0321ABS01



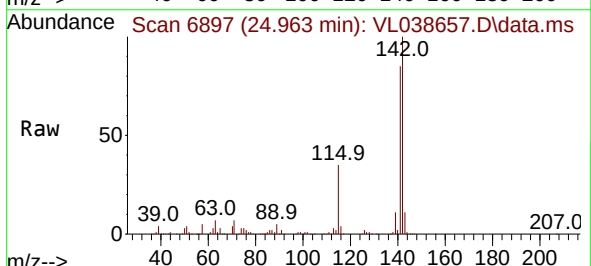
Tgt Ion:128 Resp: 255398
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.3 9.2 13.8

Manual Integrations
APPROVED

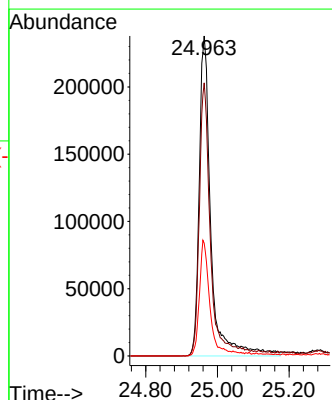
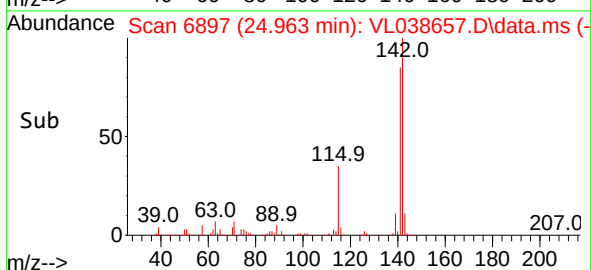
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

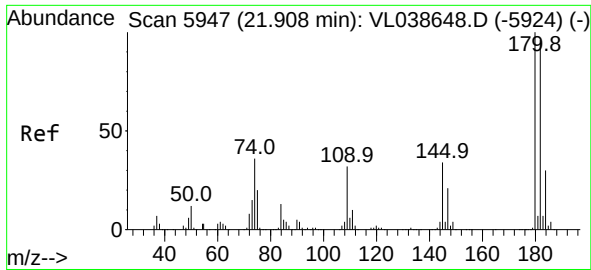


#80
Naphthalene,2-methyl-
Concen: 10.244 ppbv
RT: 24.963 min Scan# 6897
Delta R.T. 0.004 min
Lab File: VL038657.D
Acq: 21 Mar 2022 19:34



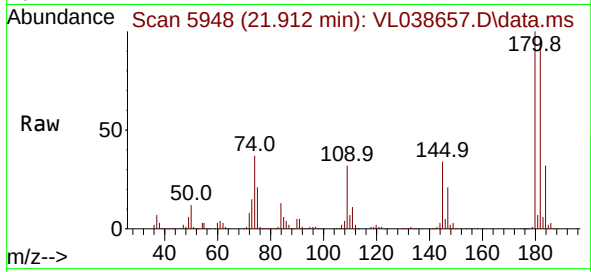
Tgt Ion:142 Resp: 538390
Ion Ratio Lower Upper
142 100
141 82.3 66.4 99.6
115 32.7 27.8 41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.741 ppbv
 RT: 21.912 min Scan# 5948
 Delta R.T. 0.004 min
 Lab File: VL038657.D
 Acq: 21 Mar 2022 19:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0321ABS01



Tgt Ion:180 Resp: 144116
 Ion Ratio Lower Upper
 180 100
 182 98.0 79.2 118.8
 184 31.4 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022
 Supervised By :Mahesh Dadoda 03/24/2022

