

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040512.D
 Acq On : 10 Jul 2023 15:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 16:25:20 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1039401	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.664	114	2564373	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2529620	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2110498 10.109 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.738	85	3017830	13.341	ppbv	97
3) Chlorodifluoromethane	2.681	51	2242181	13.171	ppbv	100
4) Chloromethane	2.819	50	885854	13.443	ppbv	97
5) Vinyl Chloride	2.928	62	981129	14.919	ppbv	98
6) Bromomethane	3.124	94	432409	12.701	ppbv	99
7) Chloroethane	3.205	64	334362	13.613	ppbv	98
8) Dichlorotetrafluoroethane	2.864	85	2416970	13.529	ppbv	98
9) Propene	2.700	41	695970	13.257	ppbv	100
10) Heptane	7.590	43	1825339	15.362	ppbv	100
11) Trichlorofluoromethane	3.571	101	2571776	13.961	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1785196	13.874	ppbv	99
13) Ethanol	3.243	45	139430	12.826	ppbv	96
14) Bromoethene	3.372	108	784147	14.569	ppbv	99
15) Acetone	3.475	43	1680670	13.406	ppbv	100
16) 1,3-Butadiene	2.992	39	888802	14.566	ppbv	97
17) tert-Butyl alcohol	3.886	59	1639073	15.904	ppbv	99
18) 1,1-Dichloroethene	3.886	96	824822	14.386	ppbv	97
19) Isopropyl Alcohol	3.581	45	918707	15.204	ppbv	98
20) Methylene Chloride	3.941	84	695798	13.004	ppbv	94
21) Allyl Chloride	4.005	41	970823	13.710	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	865630	14.715	ppbv	98
23) Vinyl Acetate	4.635	43	1787239	14.596	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1672927	13.620	ppbv	100
25) Ethyl Acetate	5.214	43	3220070	14.175	ppbv	99
26) Hexane	5.221	57	1413458	13.140	ppbv	97
27) Carbon Disulfide	4.131	76	2073043	15.409	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	1231381	14.869	ppbv	99
29) Chloroform	5.285	83	2527334	13.793	ppbv	100
30) Cyclohexane	6.616	84	1213598	14.000	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1505840	14.632	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	2594368	14.343	ppbv	99
34) 2-Butanone	4.793	43	1957985	15.834	ppbv	98
35) Carbon Tetrachloride	6.504	117	2695617	15.425	ppbv	97
36) Benzene	6.381	78	3022865	14.820	ppbv	100
37) 1,2-Dichloroethane	5.819	62	1980379	14.902	ppbv	100
38) Trichloroethene	7.304	130	1245805	16.120	ppbv	97
39) 1,2-Dichloropropane	7.086	63	1176254	14.959	ppbv	98
40) 1,4-Dioxane	7.298	88	377799	16.963	ppbv #	100
41) Tetrahydrofuran	5.565	42	1126382	16.665	ppbv	99
42) Bromodichloromethane	7.266	83	2806082	15.334	ppbv	99
43) Methyl Methacrylate	7.484	69	1279148	17.457	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	4933825	14.801	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	939524	17.365	ppbv	99

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 APPROVED

Reviewed By : Semsettin Yesilyurt 07/11/2023
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

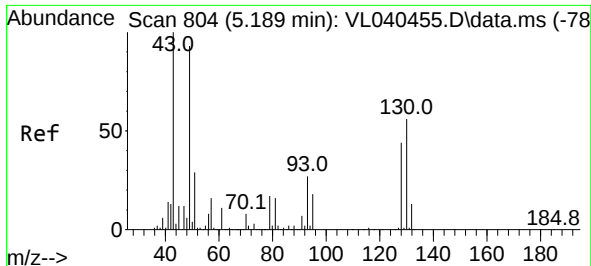
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jul 10 14:00:16 2023

Response via : Initial Calibration

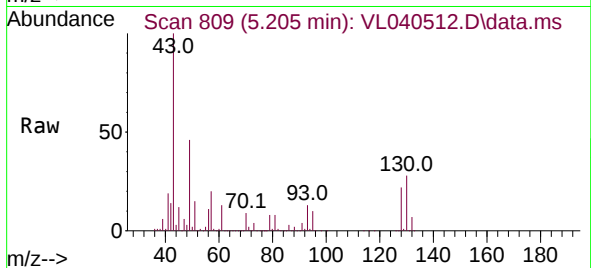
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1109564	16.822	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	1333288	15.427	ppbv	95
48) Dibromochloromethane	9.725	129	2365499	17.121	ppbv	100
49) Bromoform	12.423	173	1984520	18.984	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	3038972	18.349	ppbv	99
51) 2-Hexanone	9.561	43	2305889	20.055	ppbv #	98
52) Tetrachloroethene	10.629	164	1111876	17.361	ppbv	97
53) Toluene	9.233	91	3558321	16.563	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1860893	16.425	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.523	131	1747631	14.699	ppbv #	77
57) Chlorobenzene	11.539	112	2871422	15.018	ppbv	96
58) Ethyl Benzene	12.105	91	4999311	16.311	ppbv	97
59) m/p-Xylene	12.388	91	8783076m	31.181	ppbv	
60) o-Xylene	13.076	91	4275971	16.005	ppbv	99
61) Styrene	12.912	104	2168669	18.862	ppbv	99
62) Isopropylbenzene	14.043	105	6193838	15.596	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	3004902	17.370	ppbv	100
64) n-propylbenzene	14.931	120	1638387	16.248	ppbv	95
65) tert-Butylbenzene	16.108	119	5563166	16.327	ppbv	98
66) Benzyl Chloride	16.346	91	479851	18.275	ppbv	98
67) sec-Butylbenzene	16.651	105	8001729	16.105	ppbv	99
69) p-Isopropyltoluene	17.011	119	6665398	16.881	ppbv	99
70) n-Butylbenzene	17.902	91	7515996	17.053	ppbv	98
71) 2-Chlorotoluene	14.815	91	4931343	16.722	ppbv	99
72) 4-Ethyltoluene	15.207	105	5138289	17.075	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	4499108	16.916	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	5080562	16.238	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	3013622	17.170	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2976688	17.441	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	2894875	17.460	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	2566632	20.071	ppbv	100
79) Naphthalene	21.397	128	5347135	29.672	ppbv	98
80) Naphthalene,2-methyl-	24.381	142	2346319	43.388	ppbv	98
81) 1,2,4-Trichlorobenzene	21.156	180	3114749	27.902	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

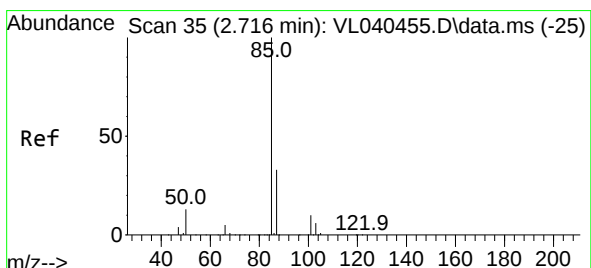
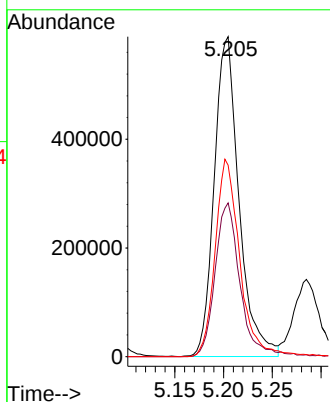
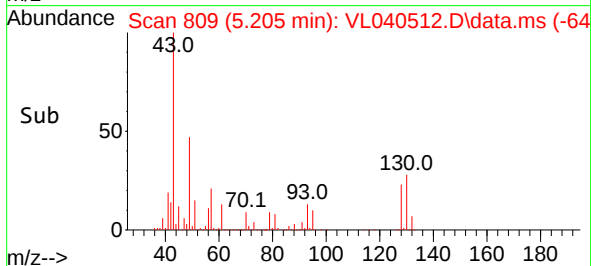
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 49 Resp: 103940
Ion Ratio Lower Upper
49 100
128 49.2 24.7 74.1
130 61.9 31.4 94.2

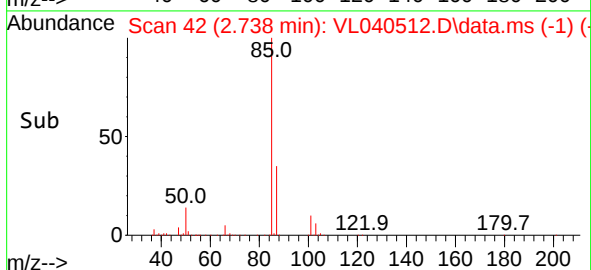
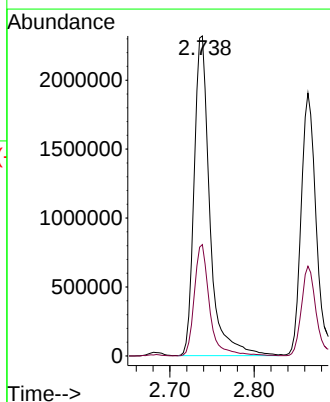
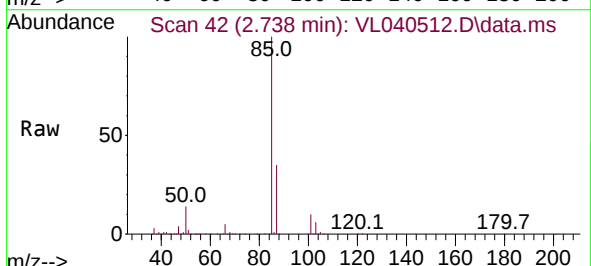
Manual Integrations
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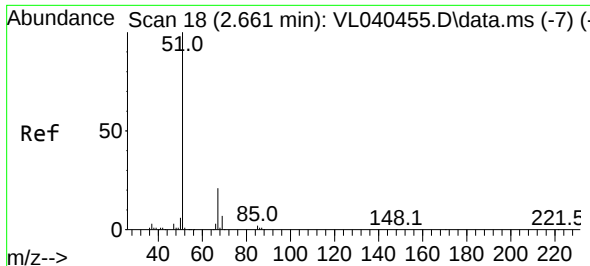
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#2
Dichlorodifluoromethane
Concen: 13.341 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.022 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

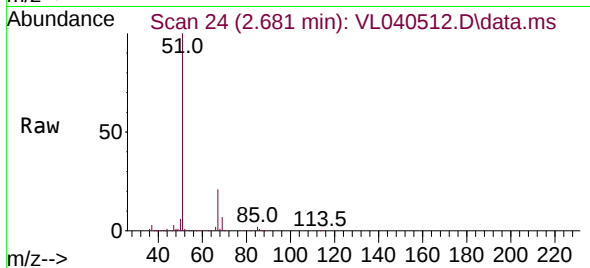
Tgt Ion: 85 Resp: 3017830
Ion Ratio Lower Upper
85 100
87 34.8 26.6 39.8





#3
Chlorodifluoromethane
Concen: 13.171 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

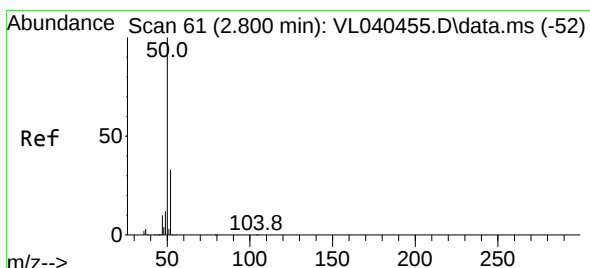
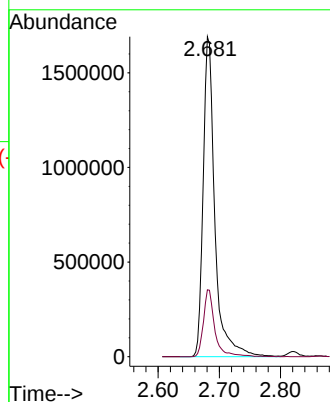
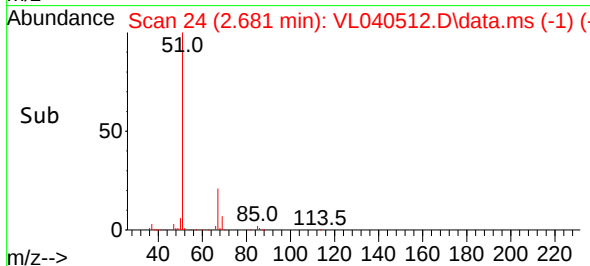
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



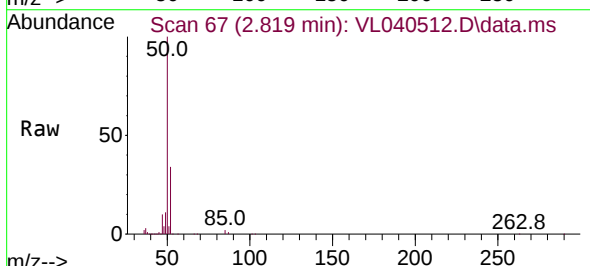
Tgt Ion: 51 Resp: 224218
Ion Ratio Lower Upper
51 100
67 20.5 16.3 24.5

Manual Integrations
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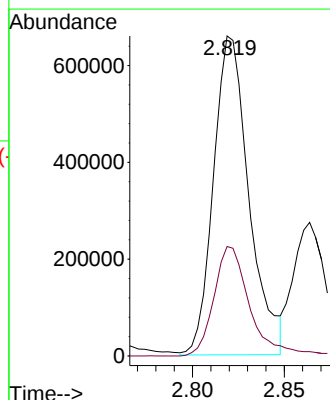
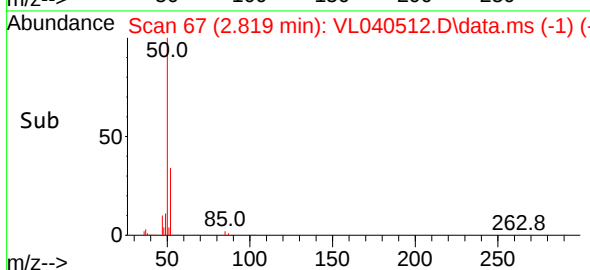
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

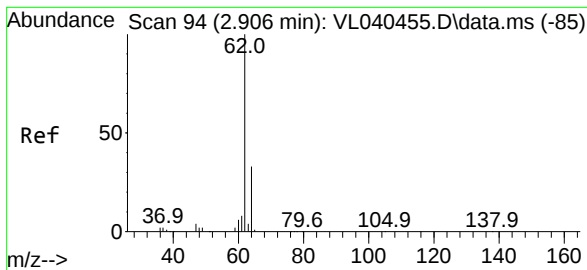


#4
Chloromethane
Concen: 13.443 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion: 50 Resp: 885854
Ion Ratio Lower Upper
50 100
52 34.5 26.3 39.5





#5
 Vinyl Chloride
 Concen: 14.919 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.022 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

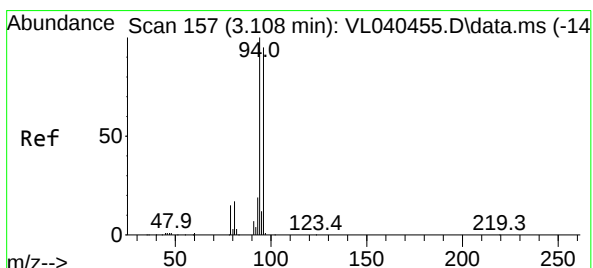
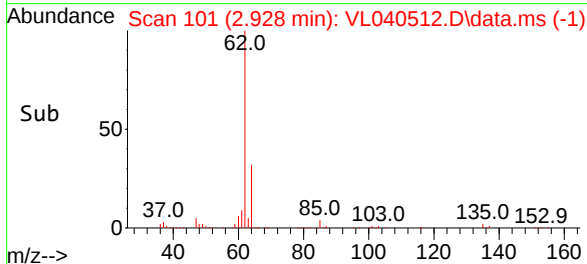
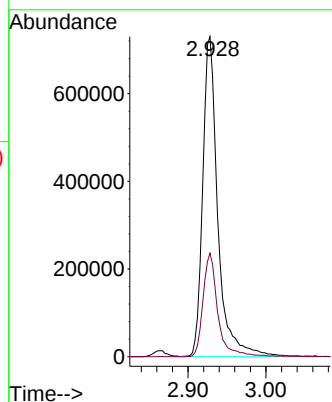
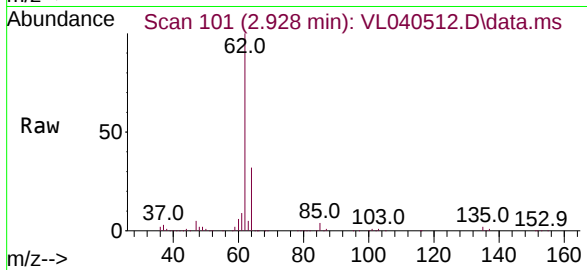
VSTDICC015

Tgt Ion: 62 Resp: 981129
 Ion Ratio Lower Upper
 62 100
 64 32.3 26.8 40.2

Manual Integrations

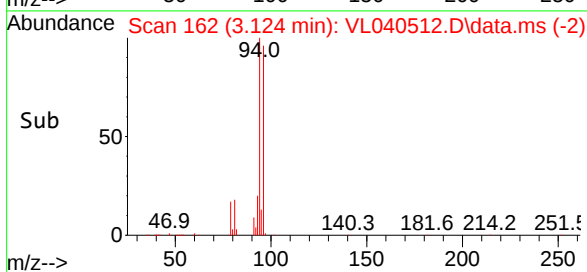
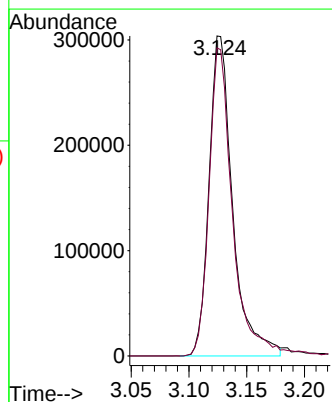
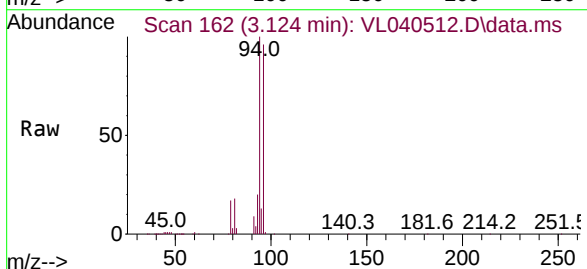
APPROVED

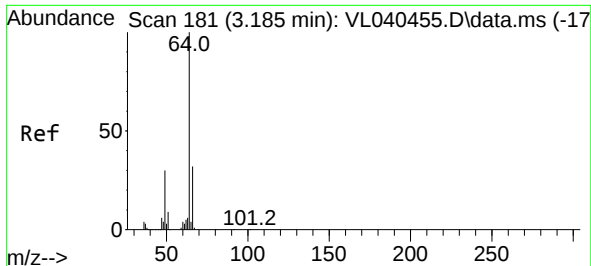
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#6
 Bromomethane
 Concen: 12.701 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.016 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

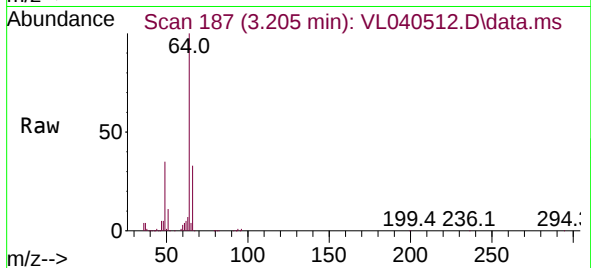
Tgt Ion: 94 Resp: 432409
 Ion Ratio Lower Upper
 94 100
 96 96.2 75.8 113.8





#7
Chloroethane
Concen: 13.613 ppbv
RT: 3.205 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

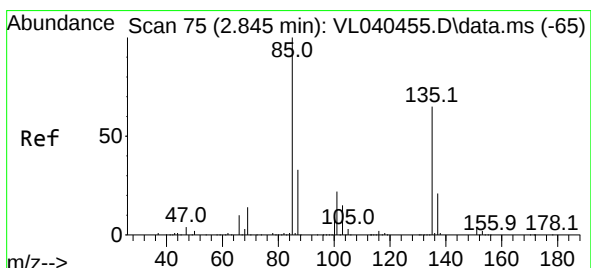
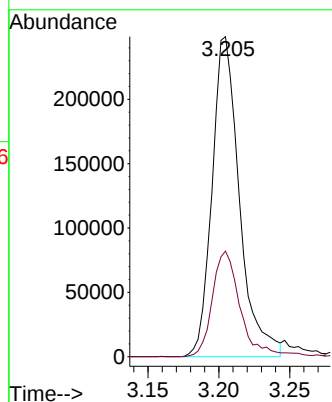
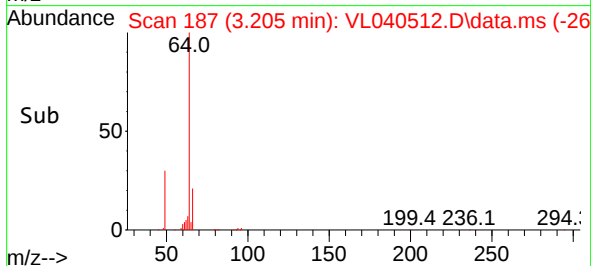
Instrument :
MSVOA_L
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VSTDICC015



Tgt Ion: 64 Resp: 334362
Ion Ratio Lower Upper
64 100
66 33.0 25.6 38.4

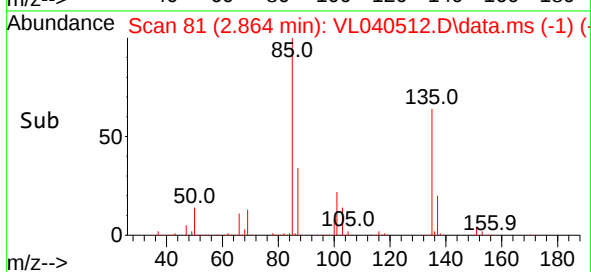
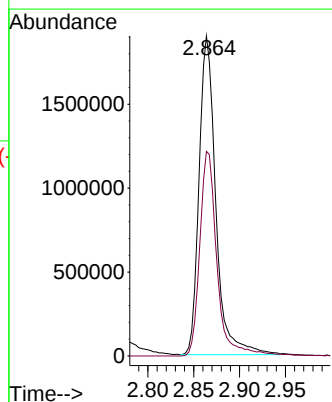
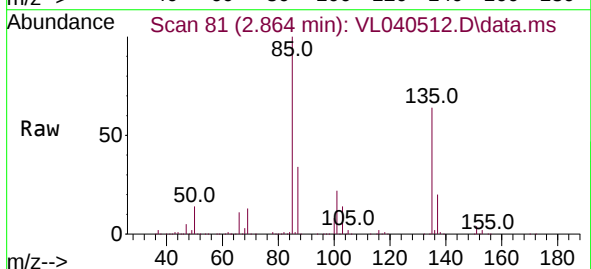
Manual Integrations
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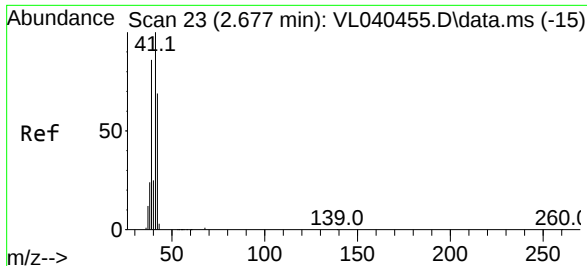
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#8
Dichlorotetrafluoroethane
Concen: 13.529 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

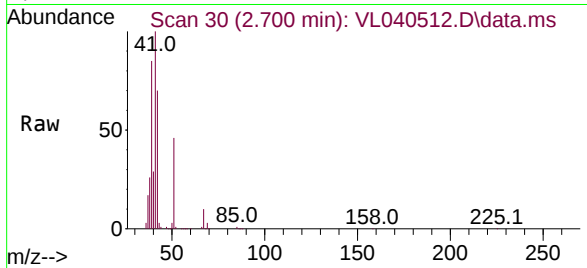
Tgt Ion: 85 Resp: 2416970
Ion Ratio Lower Upper
85 100
135 66.3 52.0 78.0





#9
Propene
Concen: 13.257 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.022 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

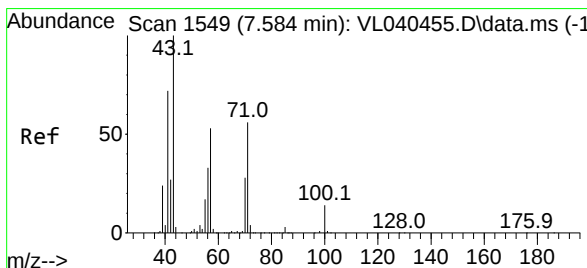
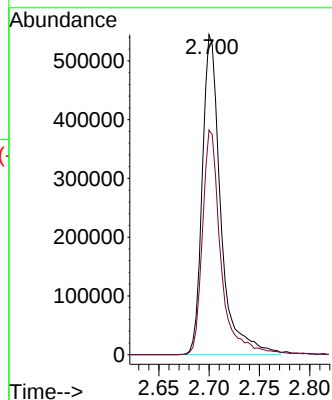
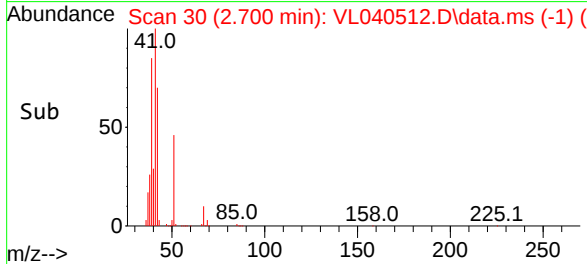
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



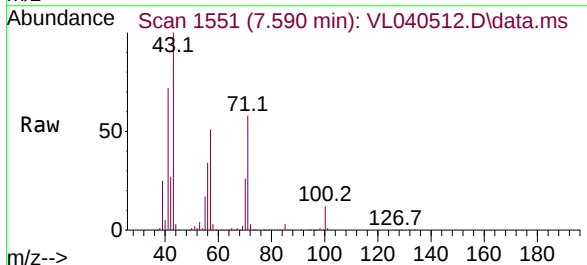
Tgt Ion: 41 Resp: 695970
Ion Ratio Lower Upper
41 100
42 70.4 56.2 84.2

Manual Integrations
APPROVED

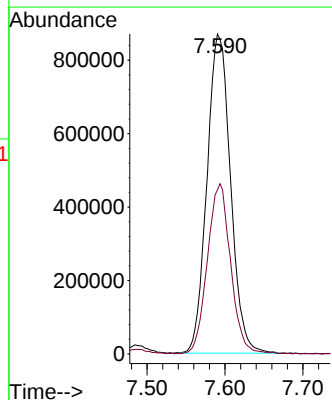
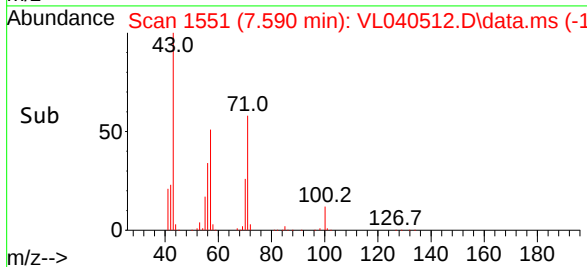
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

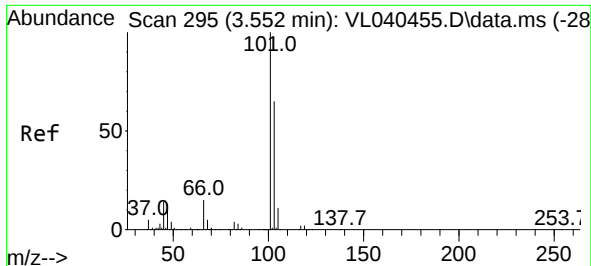


#10
Heptane
Concen: 15.362 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



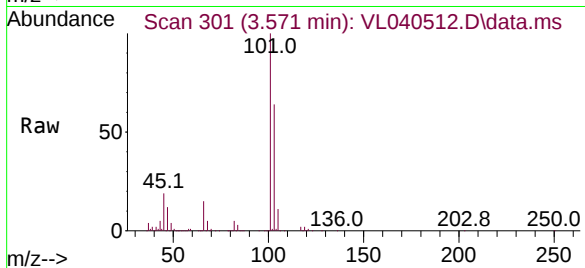
Tgt Ion: 43 Resp: 1825339
Ion Ratio Lower Upper
43 100
57 52.8 42.5 63.7





#11
 Trichlorofluoromethane
 Concen: 13.961 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.019 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

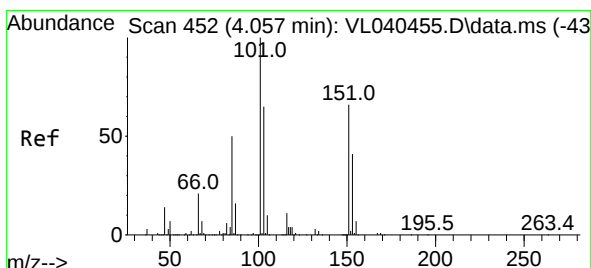
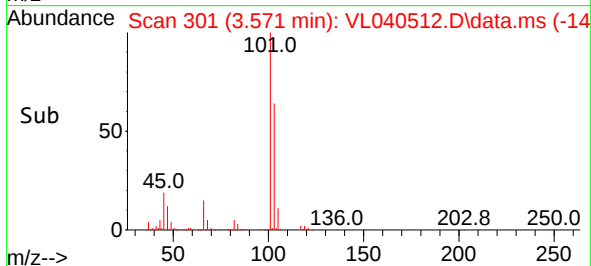
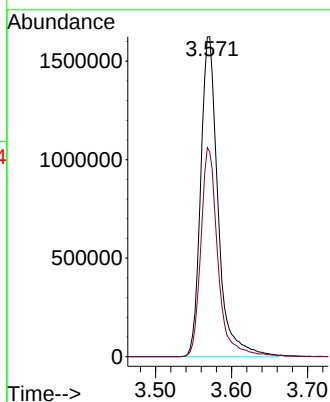
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:101 Resp: 2571770
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5

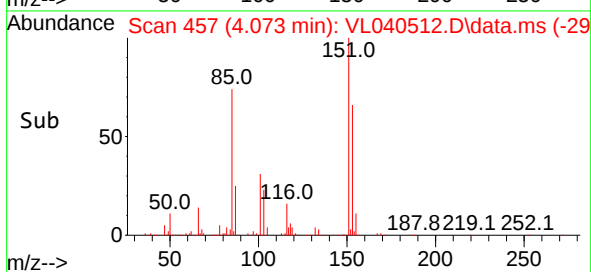
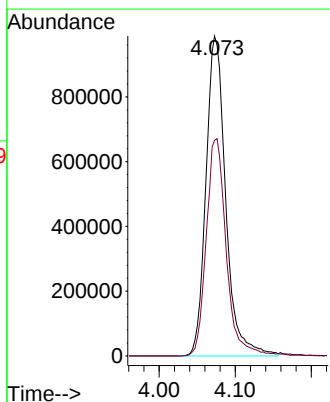
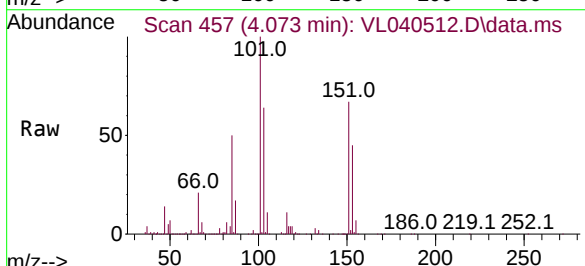
Manual Integrations
 APPROVED

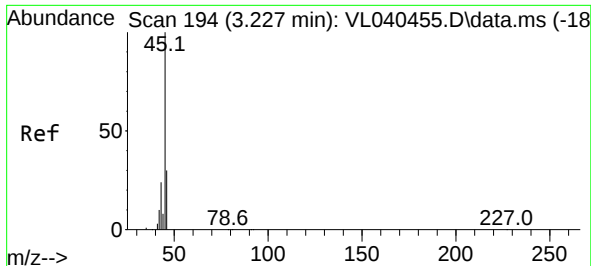
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.874 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.016 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Tgt Ion:101 Resp: 1785196
 Ion Ratio Lower Upper
 101 100
 151 68.9 54.3 81.5





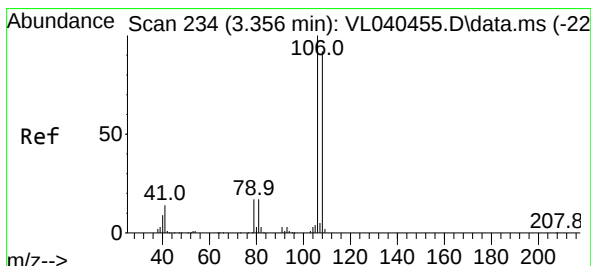
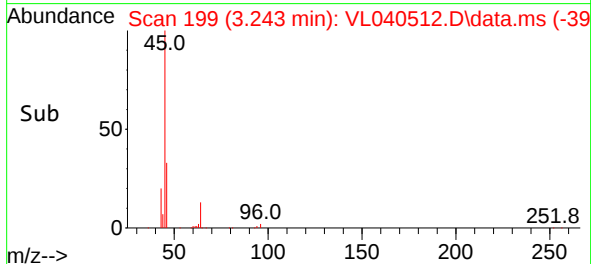
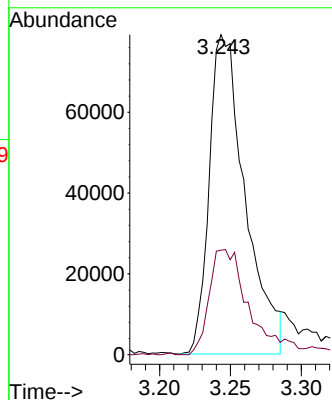
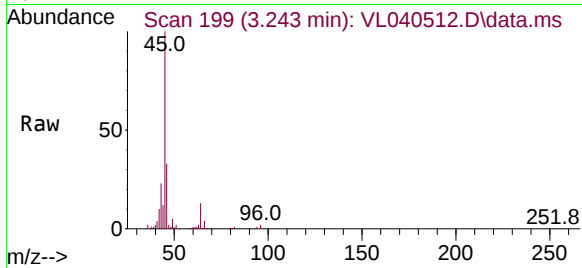
#13
Ethanol
Concen: 12.826 ppbv
RT: 3.243 min Scan# 194
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 139430
Ion Ratio Lower Upper
45 100
46 38.8 14.5 58.1

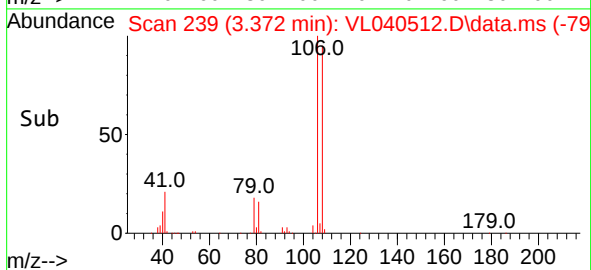
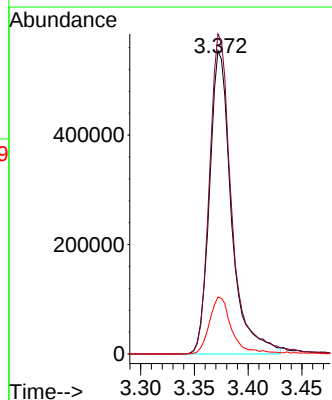
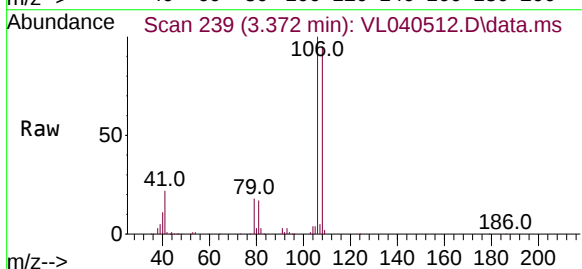
Manual Integrations
APPROVED

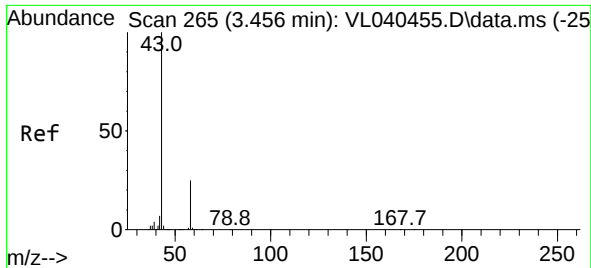
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#14
Bromoethene
Concen: 14.569 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

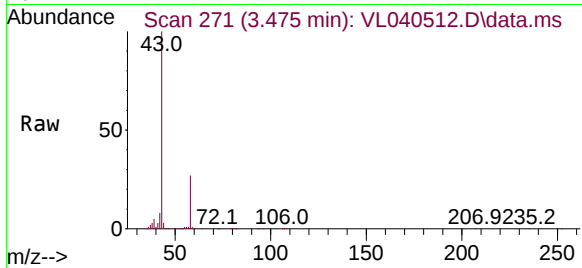
Tgt Ion:108 Resp: 784147
Ion Ratio Lower Upper
108 100
106 108.5 87.4 131.0
79 19.9 15.9 23.9





#15
Acetone
Concen: 13.406 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

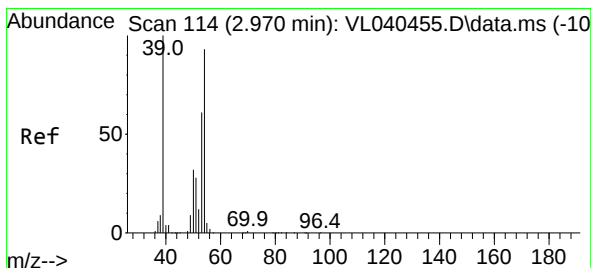
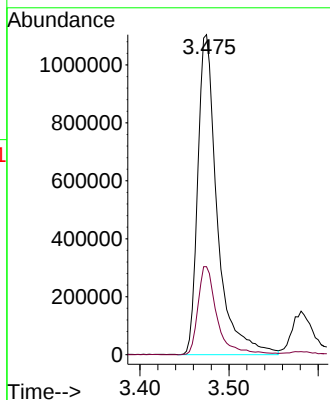
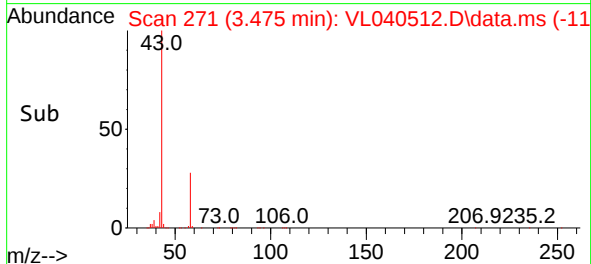
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



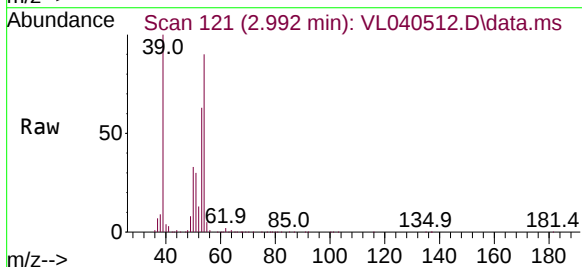
Tgt Ion: 43 Resp: 1680670
Ion Ratio Lower Upper
43 100
58 27.1 21.6 32.4

Manual Integrations
APPROVED

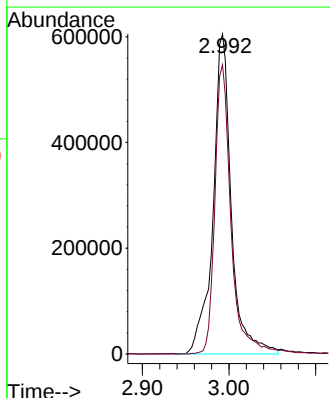
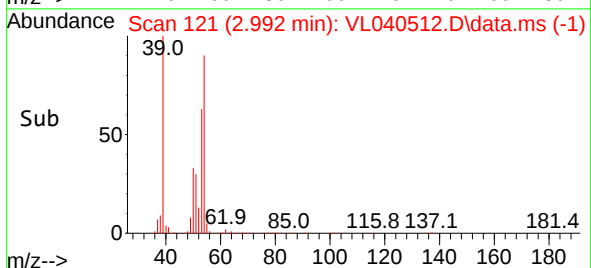
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

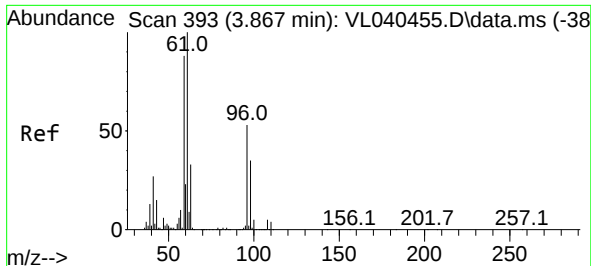


#16
1,3-Butadiene
Concen: 14.566 ppbv
RT: 2.992 min Scan# 121
Delta R.T. 0.022 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion: 39 Resp: 888802
Ion Ratio Lower Upper
39 100
54 80.7 66.9 100.3





#17

tert-Butyl alcohol

Concen: 15.904 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.019 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 163907

Ion Ratio Lower Upper

59 100

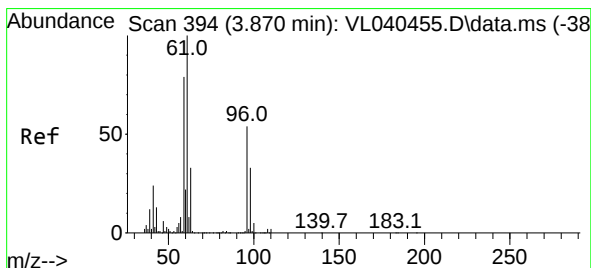
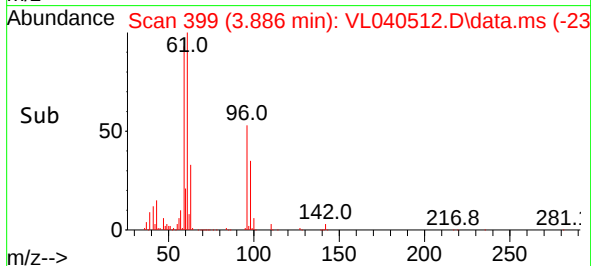
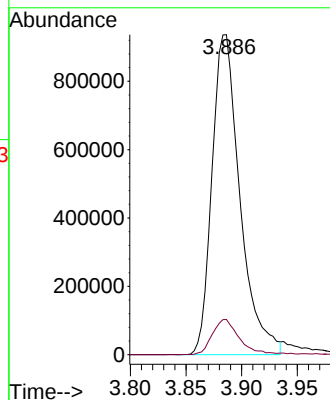
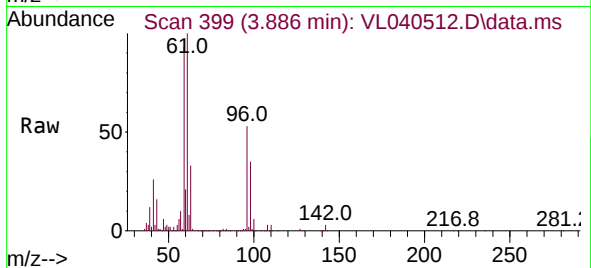
57 11.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#18

1,1-Dichloroethene

Concen: 14.386 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.016 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

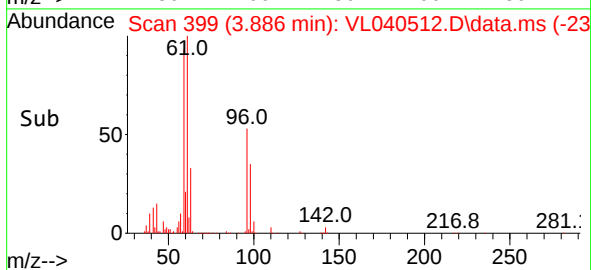
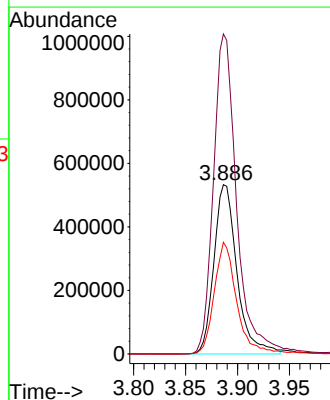
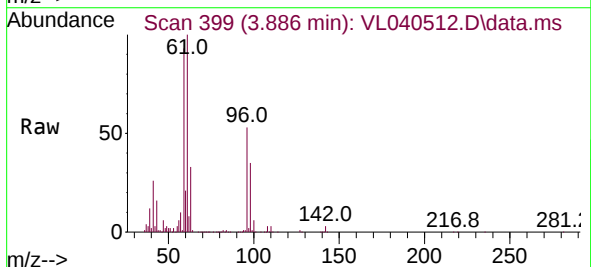
Tgt Ion: 96 Resp: 824822

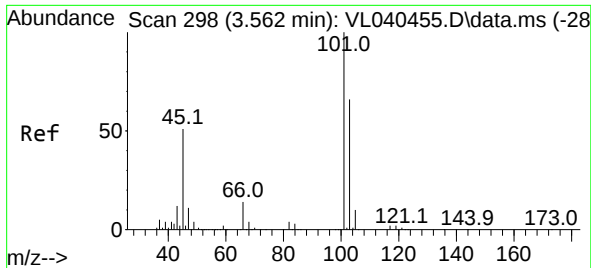
Ion Ratio Lower Upper

96 100

61 189.1 149.5 224.3

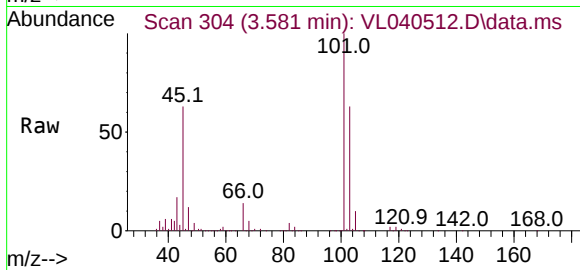
98 65.9 48.7 73.1





#19
Isopropyl Alcohol
Concen: 15.204 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.019 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

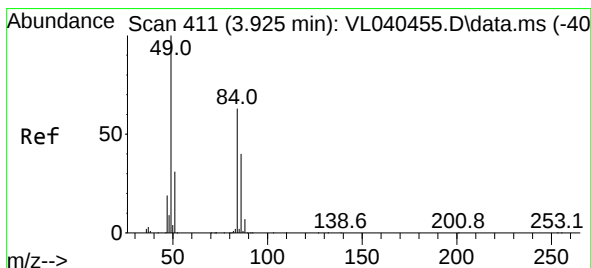
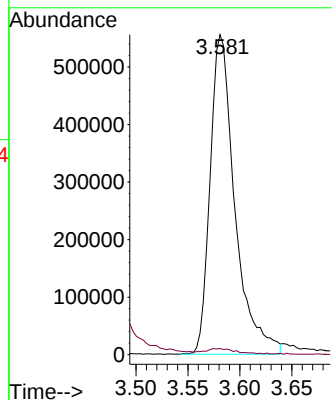
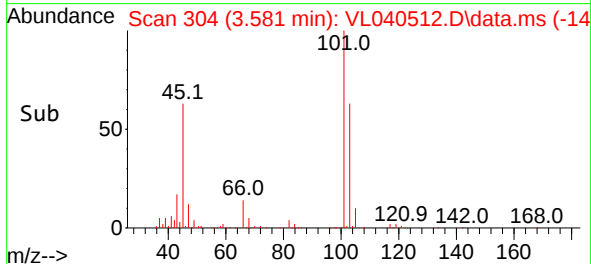
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



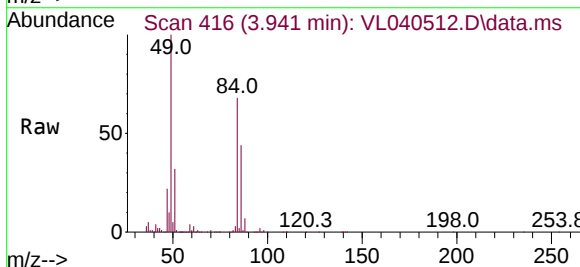
Tgt Ion: 45 Resp: 91870
Ion Ratio Lower Upper
45 100
58 2.7 2.6 4.0

Manual Integrations
APPROVED

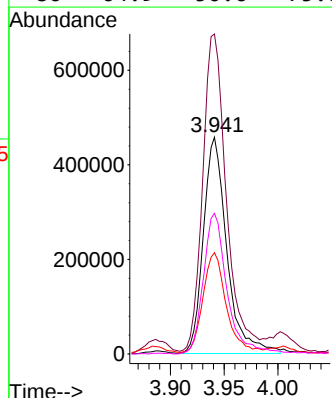
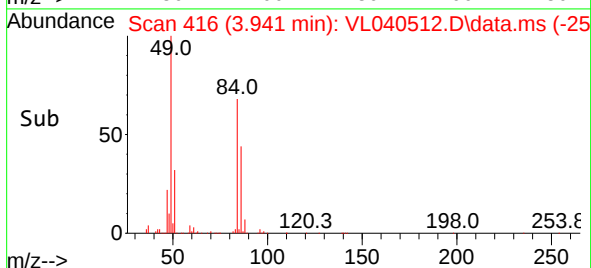
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

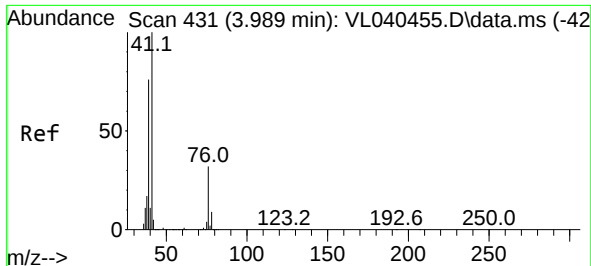


#20
Methylene Chloride
Concen: 13.004 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion: 84 Resp: 695798
Ion Ratio Lower Upper
84 100
49 146.7 126.2 189.2
51 46.2 38.7 58.1
86 64.9 50.6 75.8





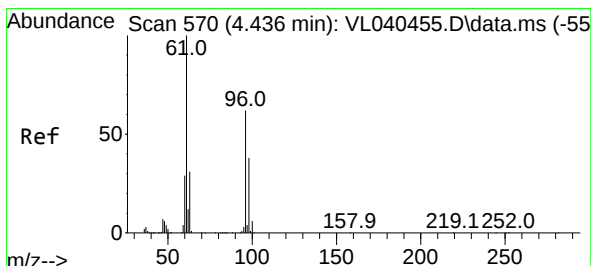
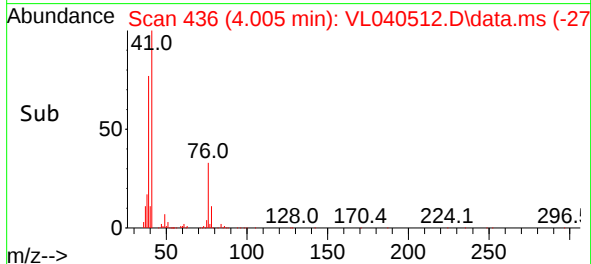
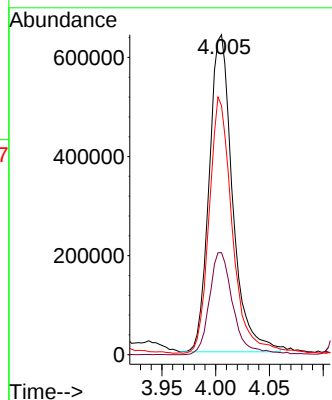
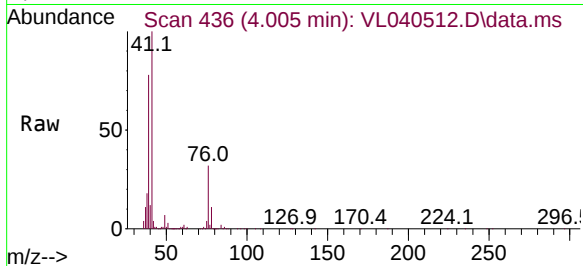
#21
 Allyl Chloride
 Concen: 13.710 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 97082
 Ion Ratio Lower Upper
 41 100
 76 32.8 26.1 39.1
 39 80.9 63.9 95.9

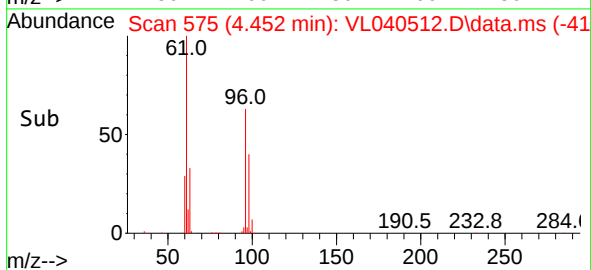
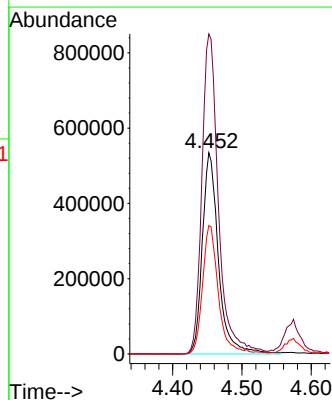
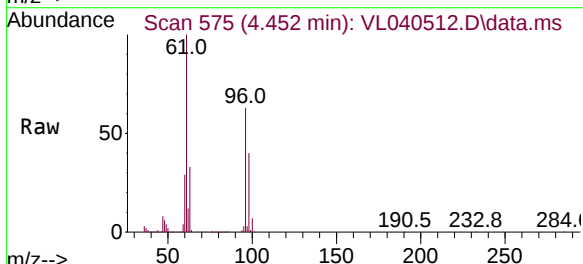
Manual Integrations
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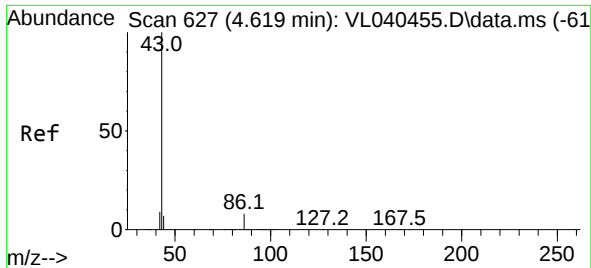
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#22
 trans-1,2-Dichloroethene
 Concen: 14.715 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.016 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Tgt Ion: 96 Resp: 865630
 Ion Ratio Lower Upper
 96 100
 61 159.0 128.1 192.1
 98 63.8 48.2 72.4





#23
 Vinyl Acetate
 Concen: 14.596 ppbv
 RT: 4.635 min Scan# 612
 Delta R.T. 0.016 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

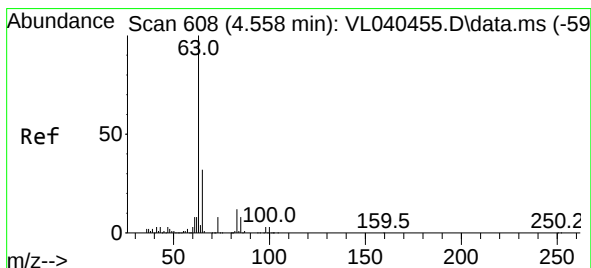
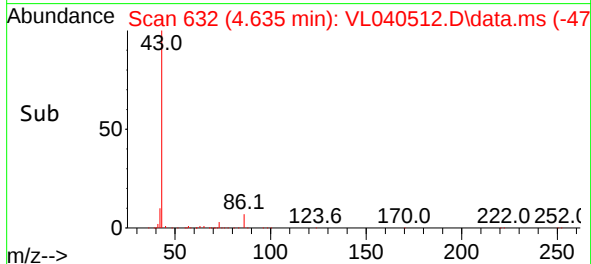
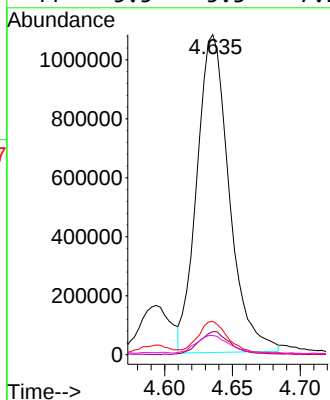
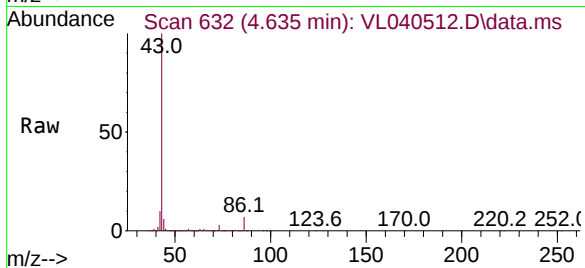
VSTDIC015

Tgt Ion: 43 Resp: 1787239
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.8 8.6
 42 10.2 7.4 11.2
 44 5.5 5.3 7.9

Manual Integrations

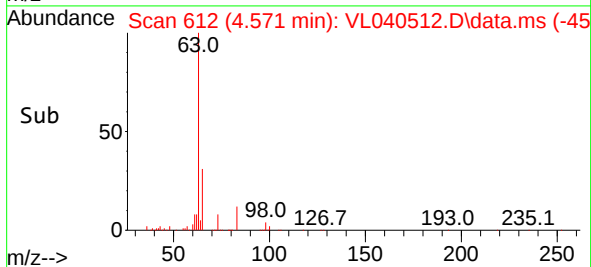
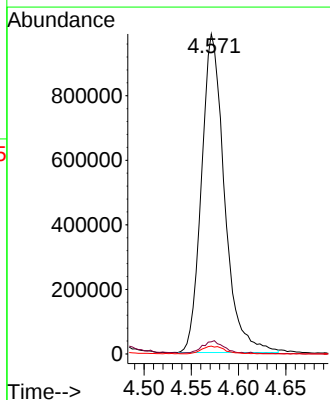
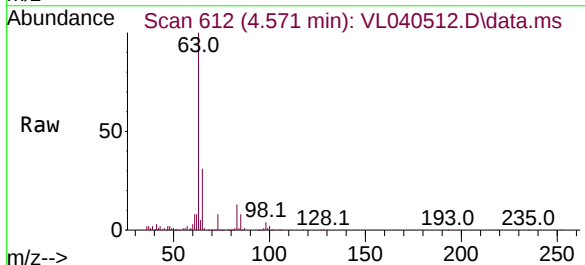
APPROVED

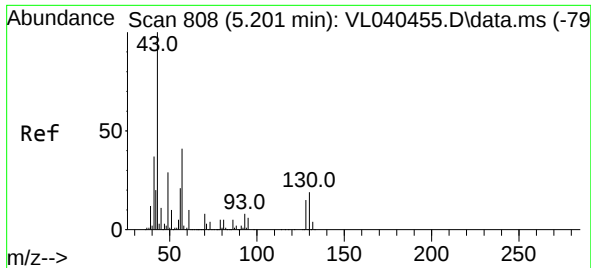
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#24
 1,1-Dichloroethane
 Concen: 13.620 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.013 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Tgt Ion: 63 Resp: 1672927
 Ion Ratio Lower Upper
 63 100
 98 3.7 1.8 5.5
 100 2.4 1.4 4.0





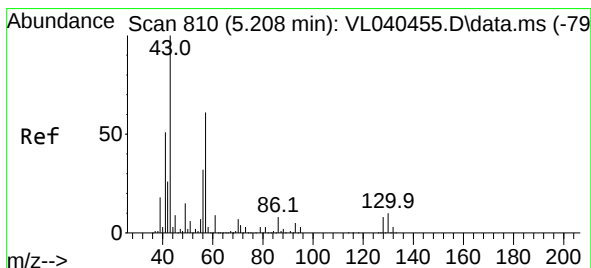
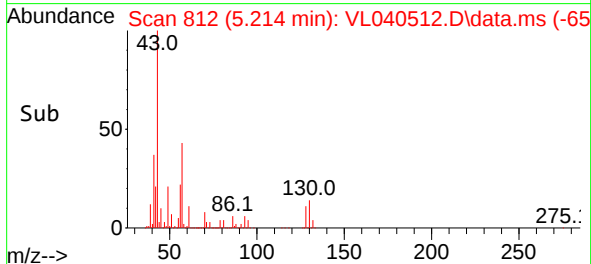
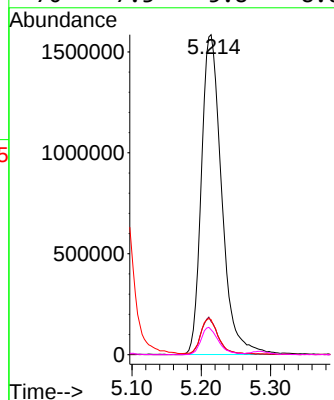
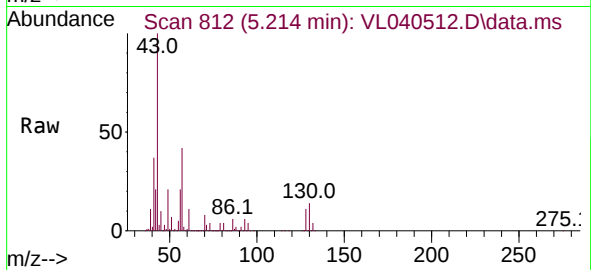
#25
Ethyl Acetate
Concen: 14.175 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 3220070
Ion Ratio Lower Upper
43 100
45 10.2 8.0 12.0
61 10.4 8.1 12.1
70 7.3 5.8 8.6

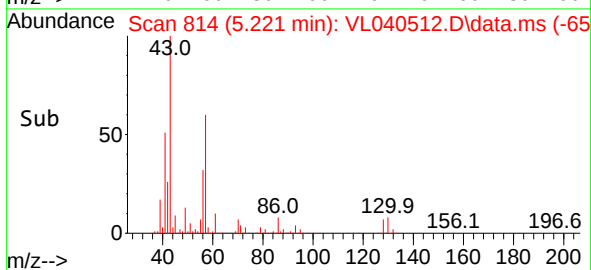
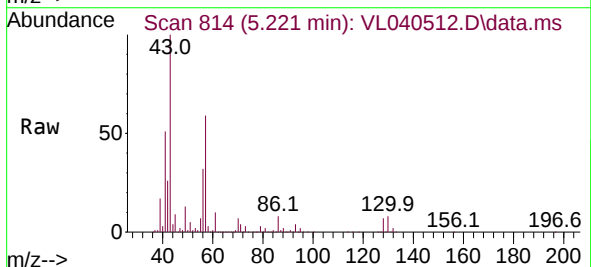
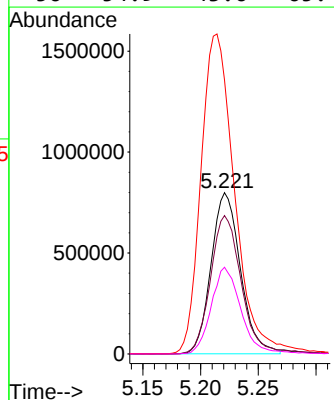
Manual Integrations
APPROVED

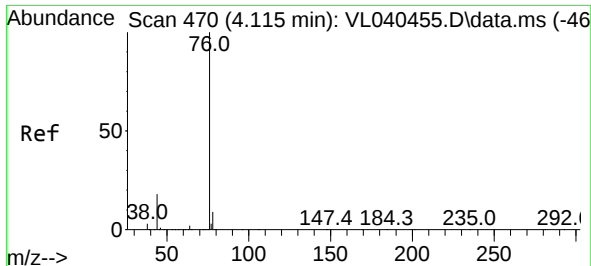
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#26
Hexane
Concen: 13.140 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

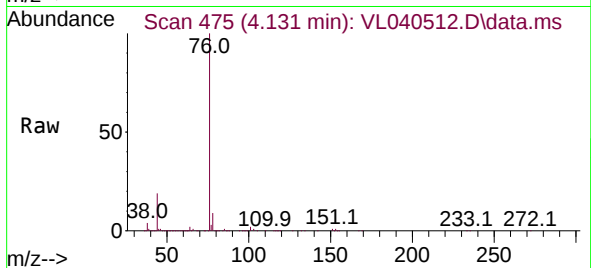
Tgt Ion: 57 Resp: 1413458
Ion Ratio Lower Upper
57 100
41 91.3 73.0 109.6
43 228.9 177.5 266.3
56 54.9 43.6 65.4





#27
Carbon Disulfide
Concen: 15.409 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

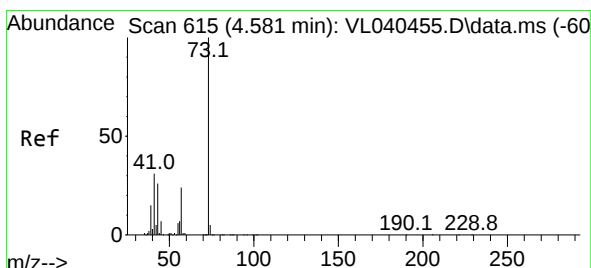
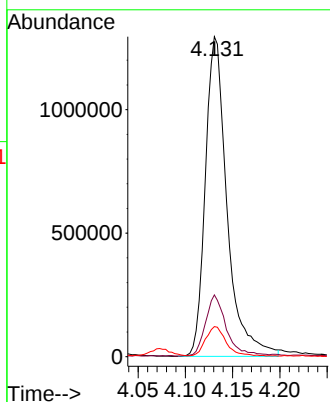
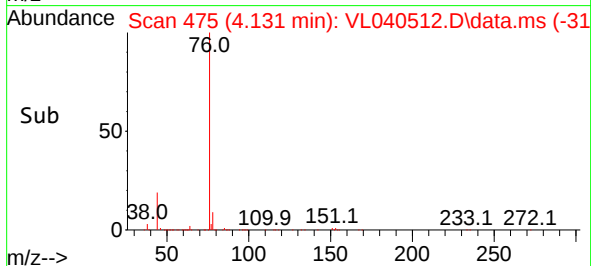
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 207304
Ion Ratio Lower Upper
76 100
44 18.9 14.6 22.0
78 9.3 7.6 11.4

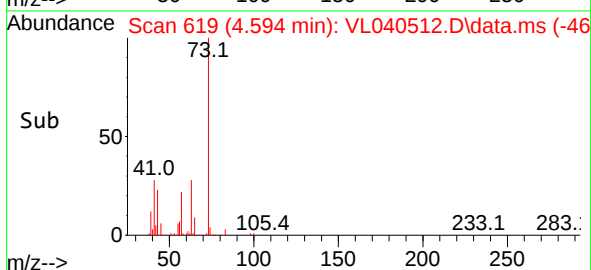
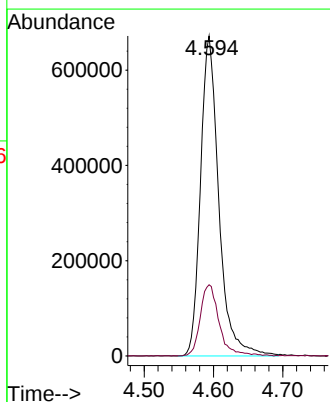
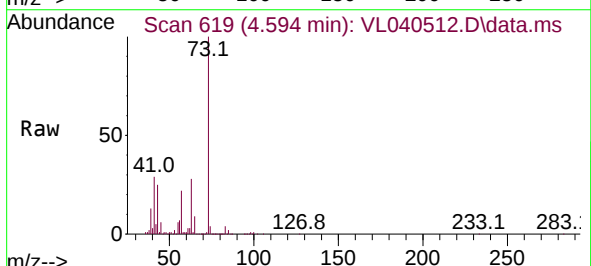
Manual Integrations
APPROVED

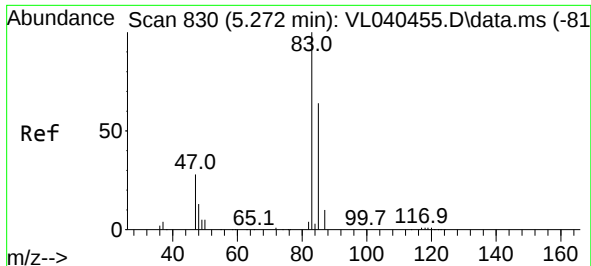
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#28
Methyl tert-Butyl Ether
Concen: 14.869 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

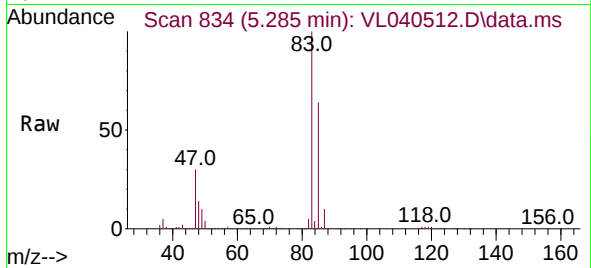
Tgt Ion: 73 Resp: 1231381
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4





#29
Chloroform
Concen: 13.793 ppbv
RT: 5.285 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

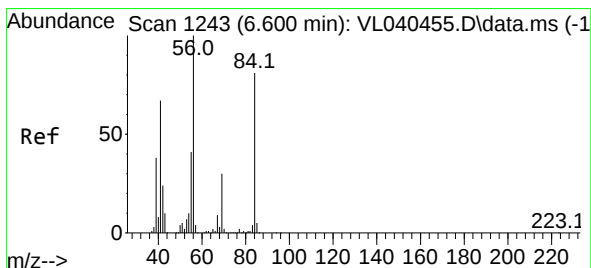
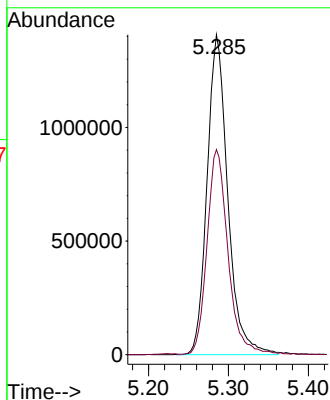
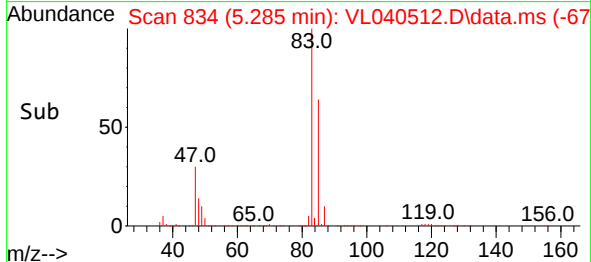
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



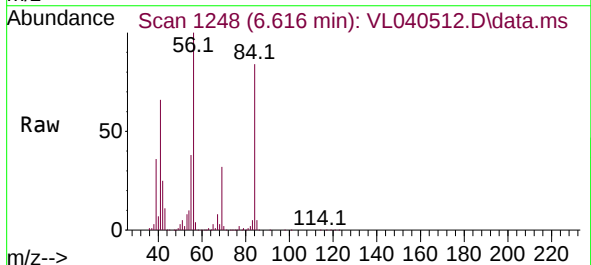
Tgt Ion: 83 Resp: 2527334
Ion Ratio Lower Upper
83 100
85 64.0 51.1 76.7

Manual Integrations
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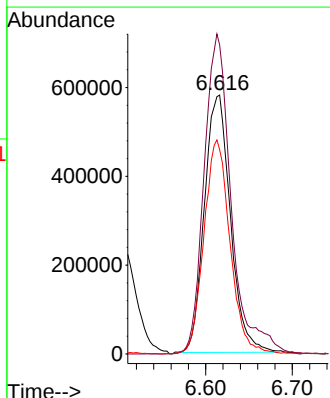
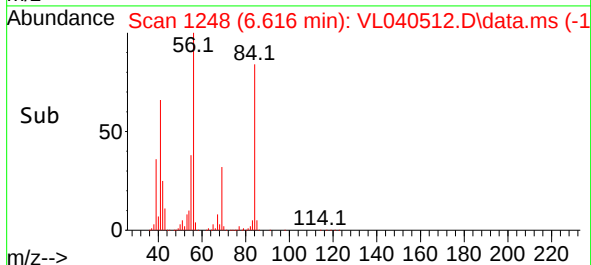
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

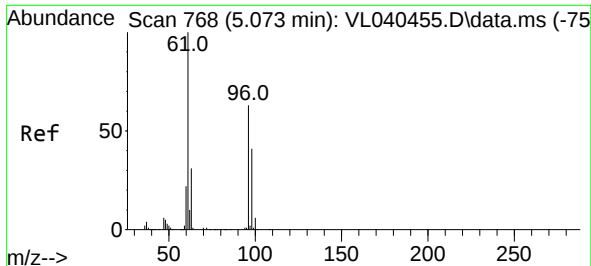


#30
Cyclohexane
Concen: 14.000 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.016 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion: 84 Resp: 1213598
Ion Ratio Lower Upper
84 100
56 130.1 106.0 159.0
41 83.9 66.8 100.2





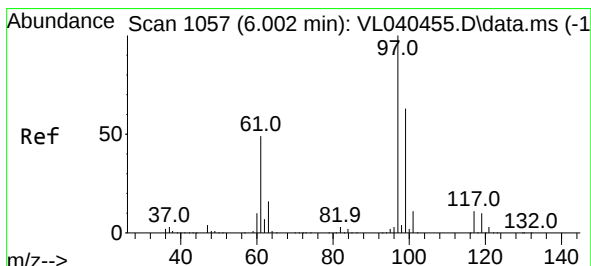
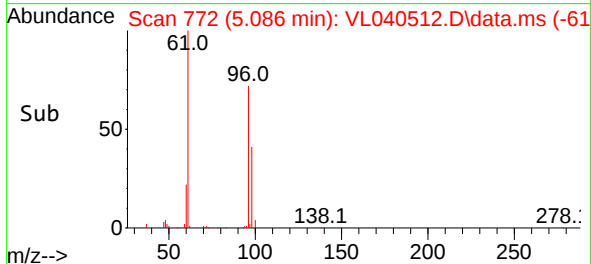
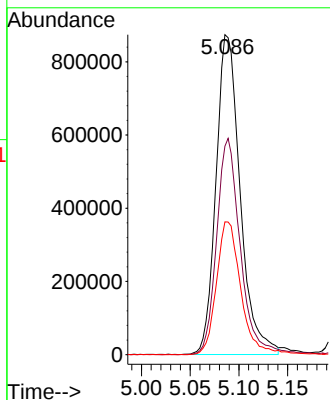
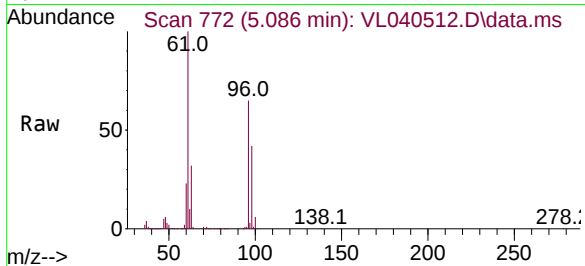
#31
 cis-1,2-Dichloroethene
 Concen: 14.632 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 1505840
 Ion Ratio Lower Upper
 61 100
 96 65.2 50.2 75.4
 98 41.5 32.9 49.3

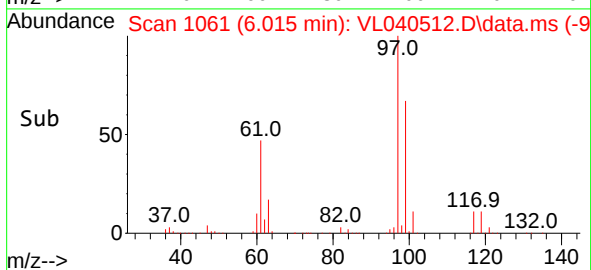
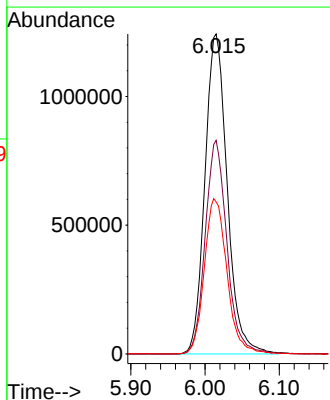
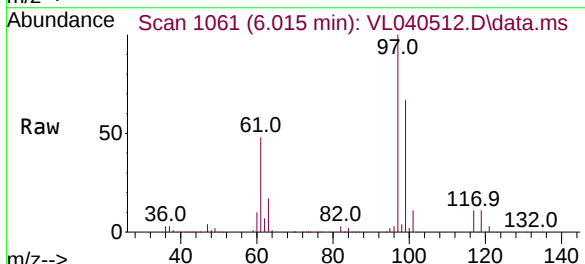
Manual Integrations
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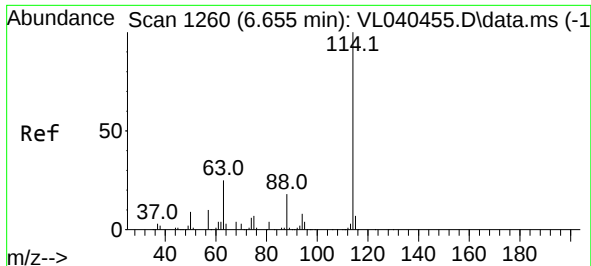
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#32
 1,1,1-Trichloroethane
 Concen: 14.343 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.013 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

Tgt Ion: 97 Resp: 2594368
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.5 77.3
 61 49.4 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 256437

Ion Ratio Lower Upper

114 100

63 26.7 21.0 31.6

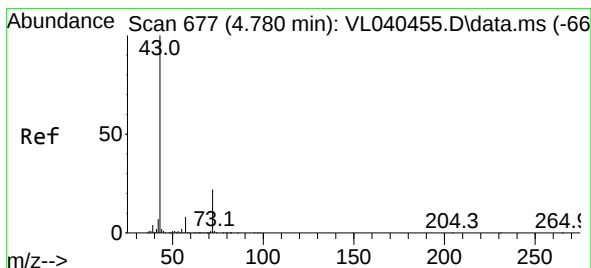
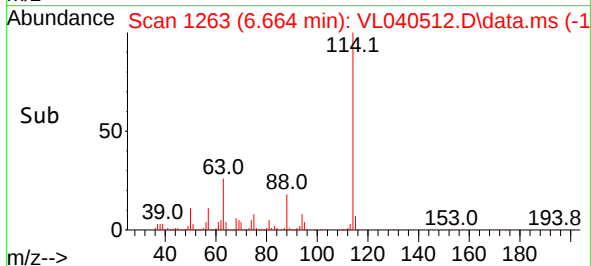
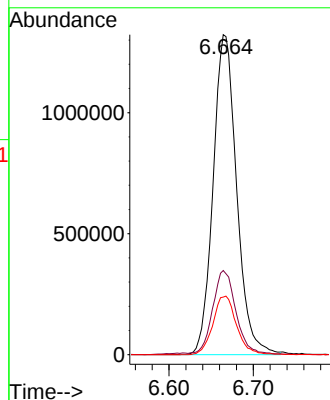
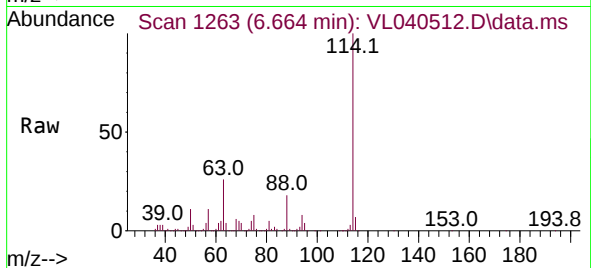
88 18.4 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#34

2-Butanone

Concen: 15.834 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040512.D

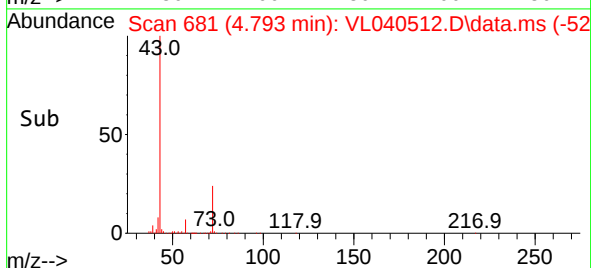
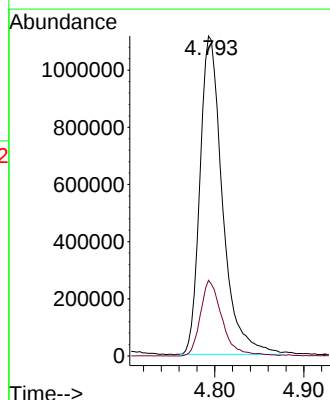
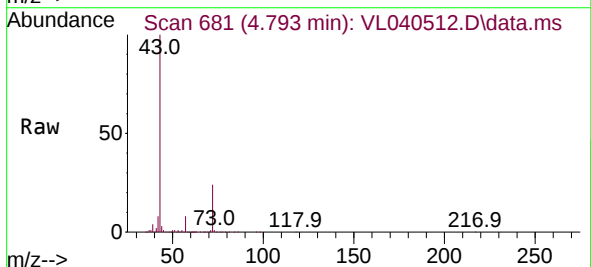
Acq: 10 Jul 2023 15:55

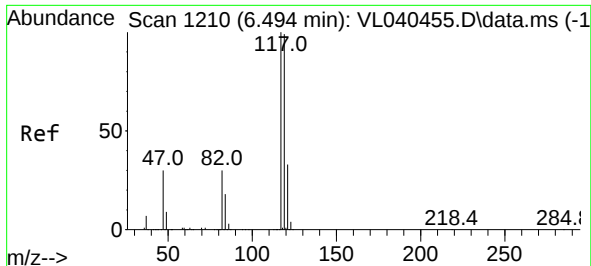
Tgt Ion: 43 Resp: 1957985

Ion Ratio Lower Upper

43 100

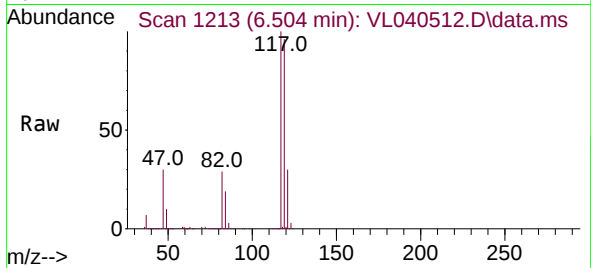
72 23.3 18.1 27.1





#35
Carbon Tetrachloride
Concen: 15.425 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.010 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

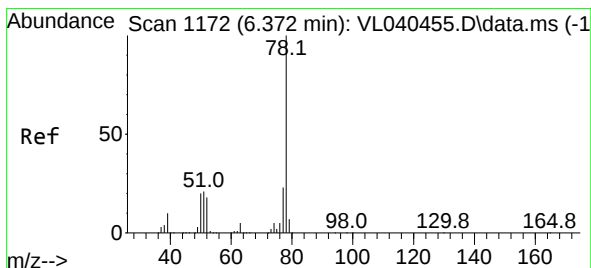
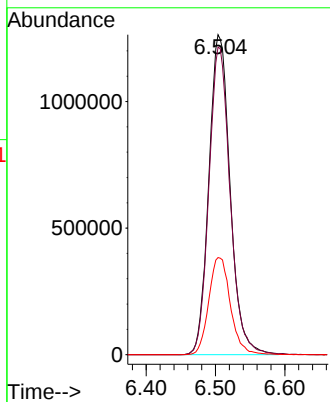
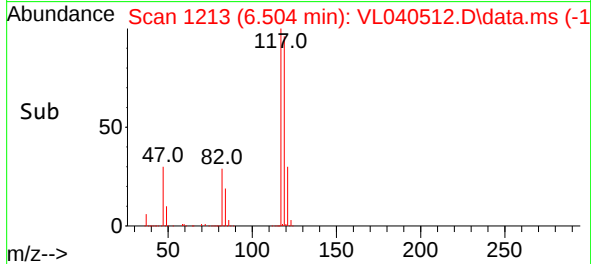
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 269561
Ion Ratio Lower Upper
117 100
119 96.1 79.1 118.7
121 30.3 26.0 39.0

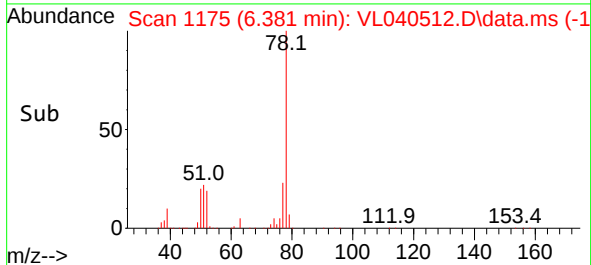
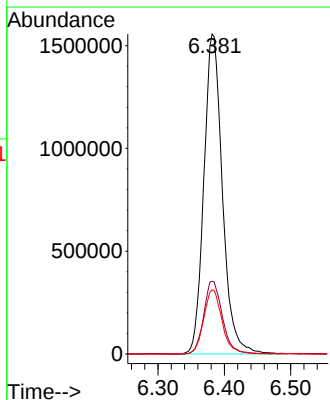
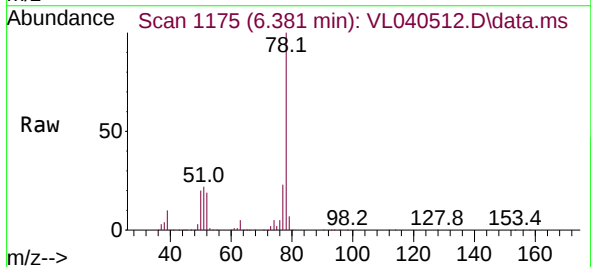
Manual Integrations
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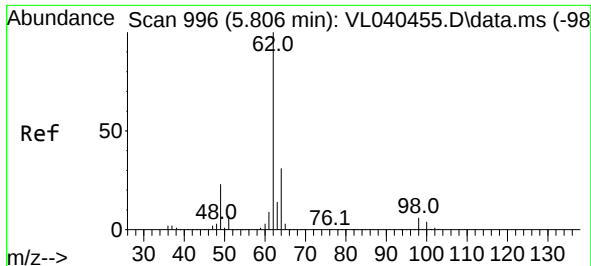
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#36
Benzene
Concen: 14.820 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.010 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion: 78 Resp: 3022865
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7
50 20.1 16.1 24.1





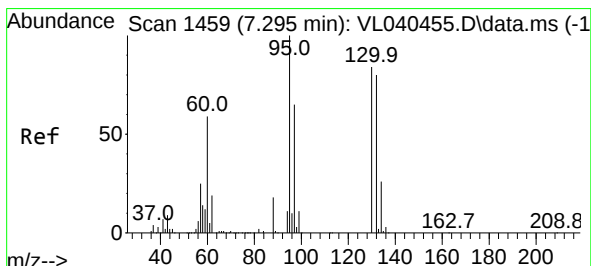
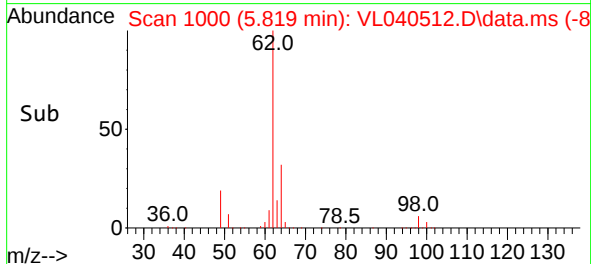
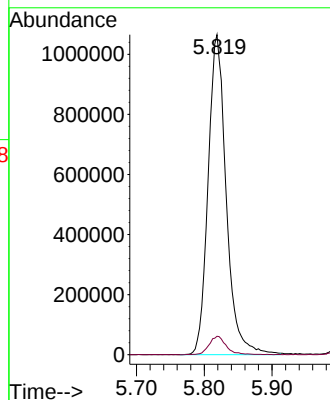
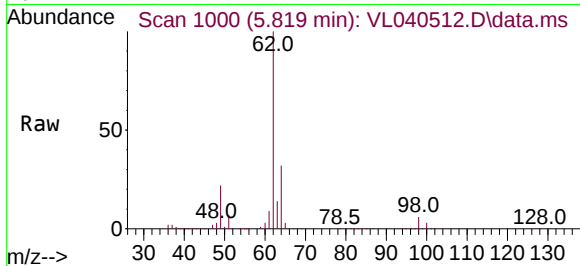
#37
1,2-Dichloroethane
Concen: 14.902 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.013 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 62 Resp: 1980379
Ion Ratio Lower Upper
62 100
98 5.6 4.6 6.8

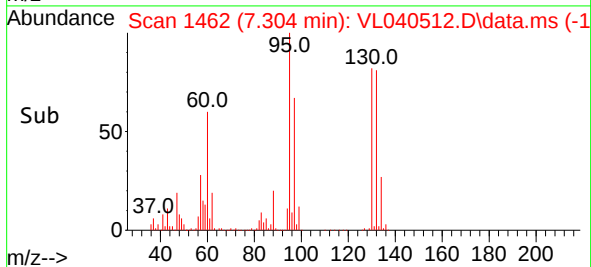
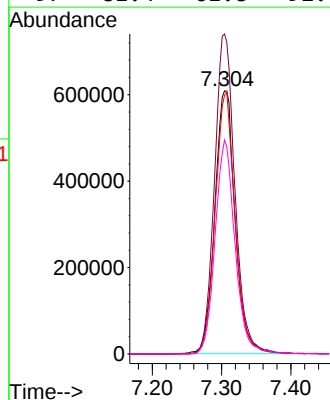
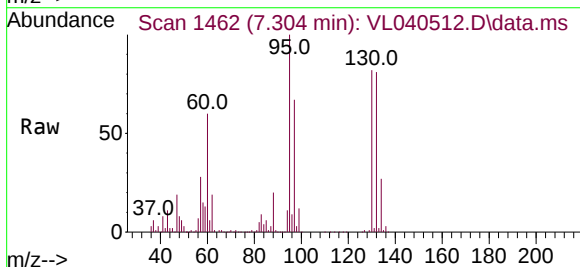
Manual Integrations
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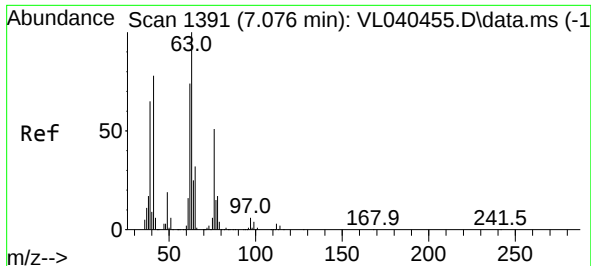
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#38
Trichloroethene
Concen: 16.120 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.010 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion:130 Resp: 1245805
Ion Ratio Lower Upper
130 100
95 121.8 95.4 143.0
132 98.4 76.3 114.5
97 81.4 61.8 92.6





#39

1,2-Dichloropropane

Concen: 14.959 ppbv

RT: 7.086 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1176254

Ion Ratio Lower Upper

63 100

41 78.3 62.2 93.2

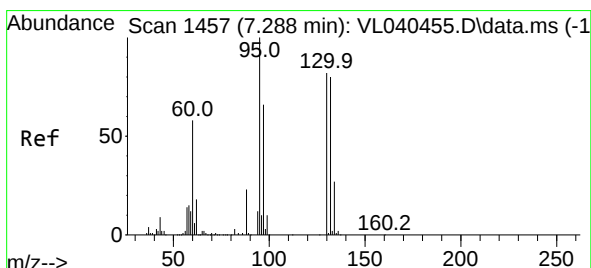
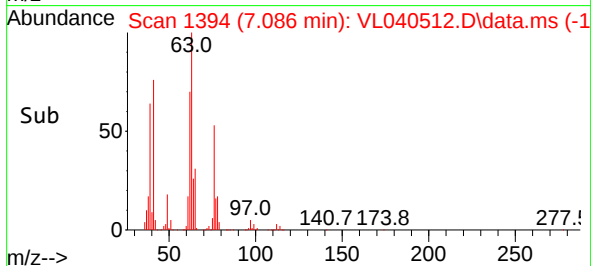
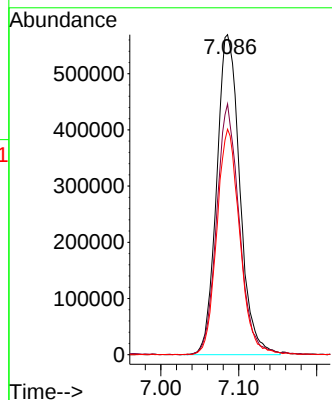
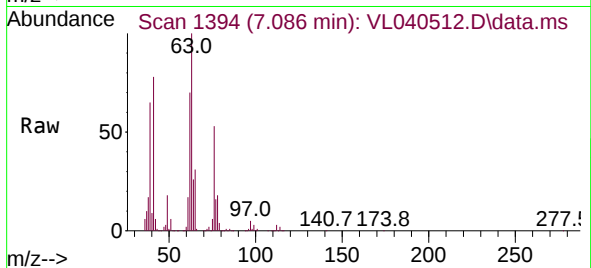
62 70.4 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#40

1,4-Dioxane

Concen: 16.963 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.010 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Tgt Ion: 88 Resp: 377799

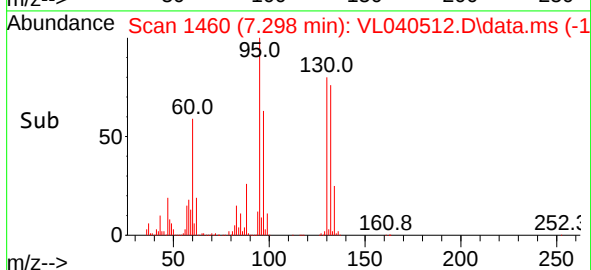
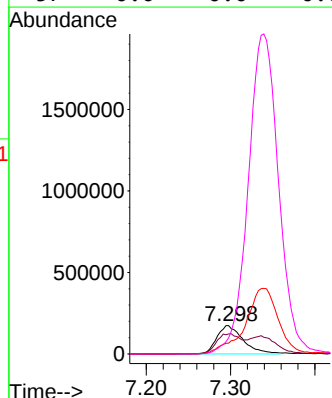
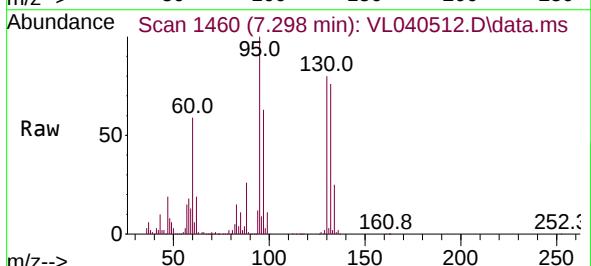
Ion Ratio Lower Upper

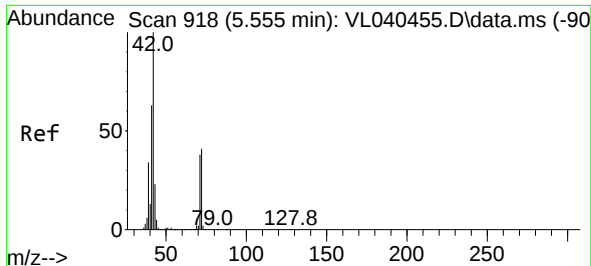
88 100

58 70.9 0.0 0.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 16.665 ppbv

RT: 5.565 min Scan# 918

Delta R.T. 0.010 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 112638

Ion Ratio Lower Upper

42 100

72 41.4 33.8 50.8

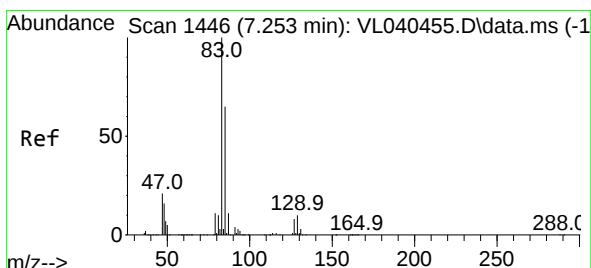
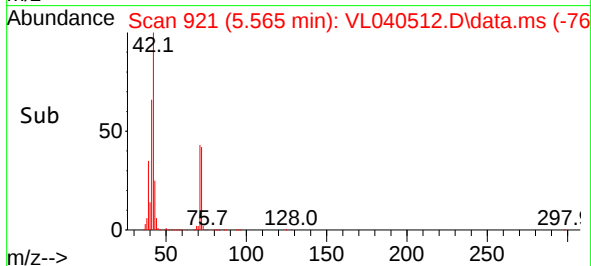
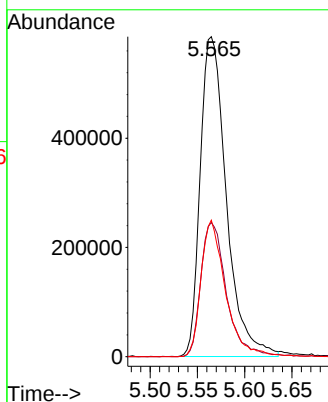
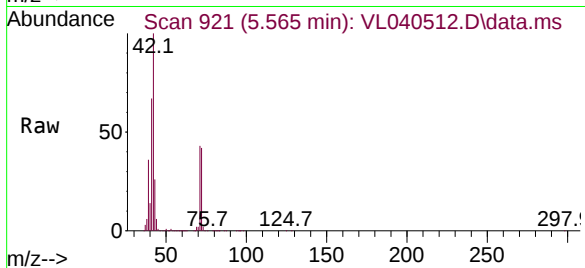
71 40.3 32.3 48.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#42

Bromodichloromethane

Concen: 15.334 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.013 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

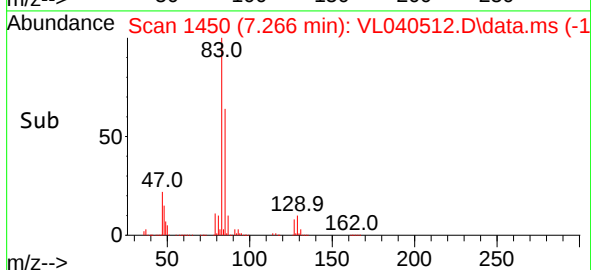
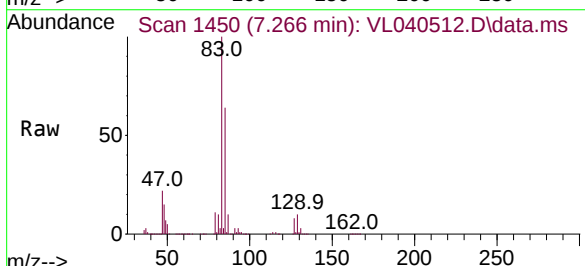
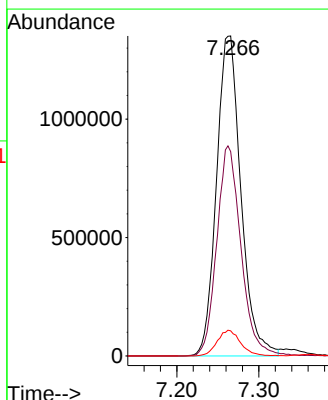
Tgt Ion: 83 Resp: 2806082

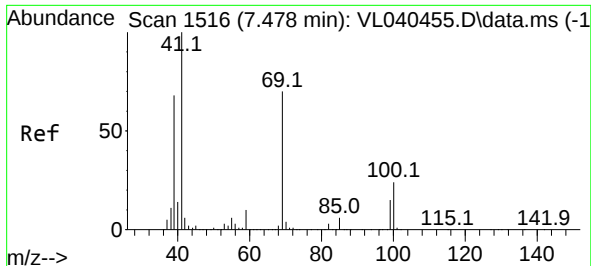
Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

127 7.9 6.1 9.1





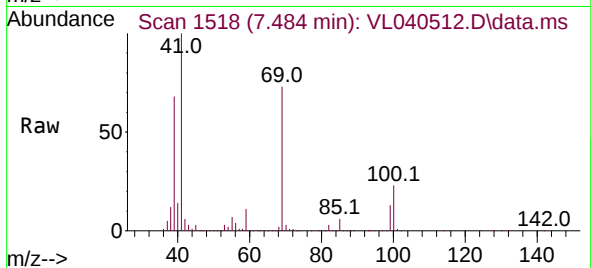
#43
Methyl Methacrylate
Concen: 17.457 ppbv
RT: 7.484 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

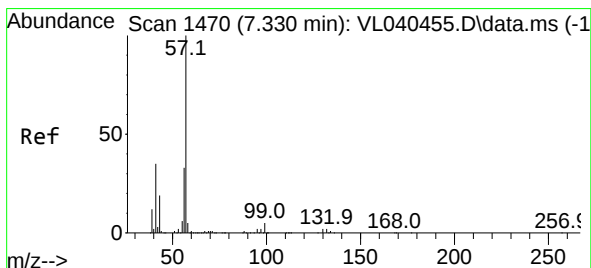
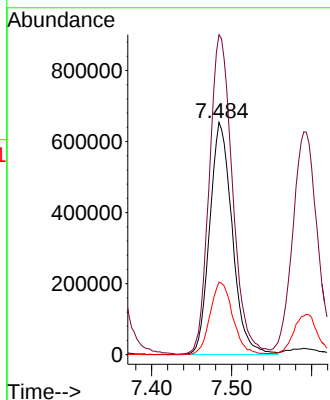
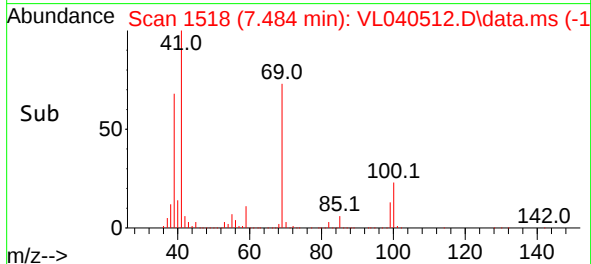


Tgt Ion: 69 Resp: 127914
Ion Ratio Lower Upper
69 100
41 141.8 114.3 171.5
100 31.7 25.4 38.2

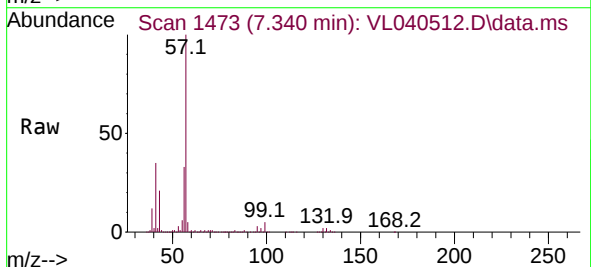
Manual Integrations

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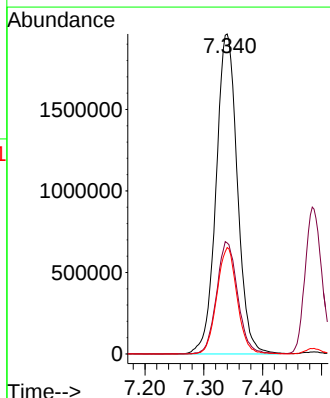
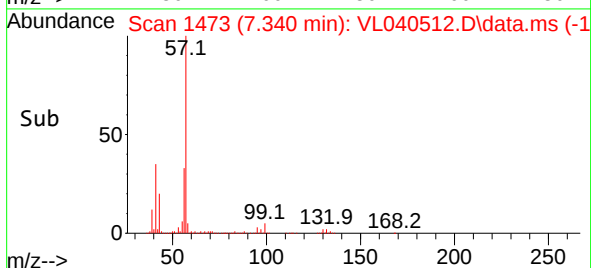
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

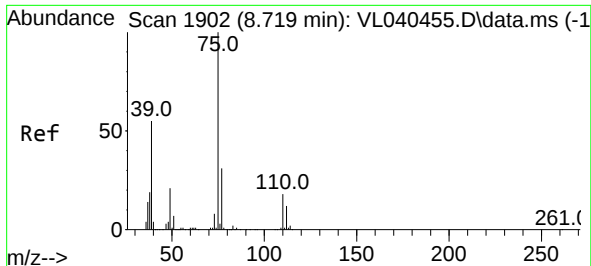


#44
2,2,4-Trimethylpentane
Concen: 14.801 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.010 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion: 57 Resp: 4933825
Ion Ratio Lower Upper
57 100
41 34.8 27.8 41.8
56 31.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 17.365 ppbv

RT: 8.725 min Scan# 1902

Delta R.T. 0.006 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 75 Resp: 939524

Ion Ratio Lower Upper

75 100

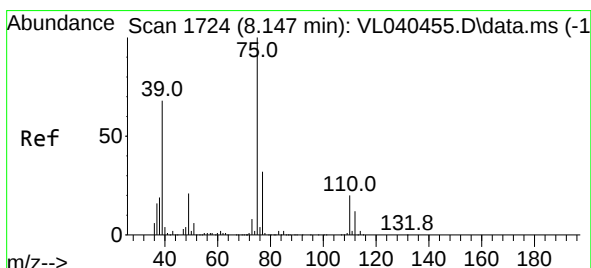
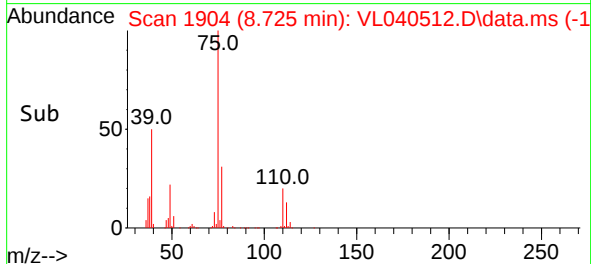
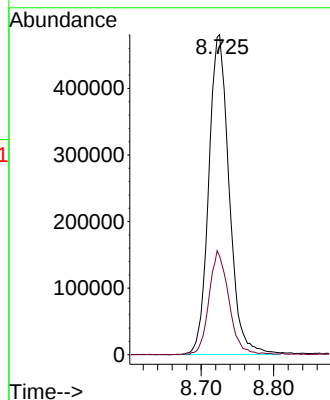
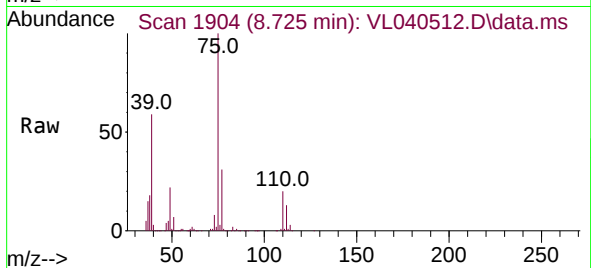
77 30.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#46

cis-1,3-Dichloropropene

Concen: 16.822 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.010 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

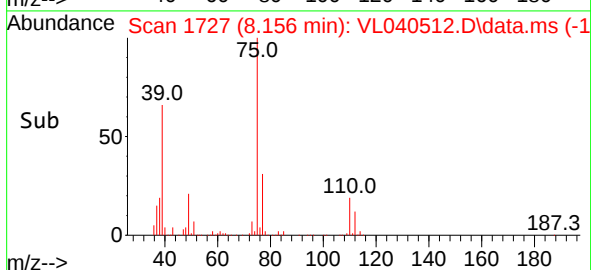
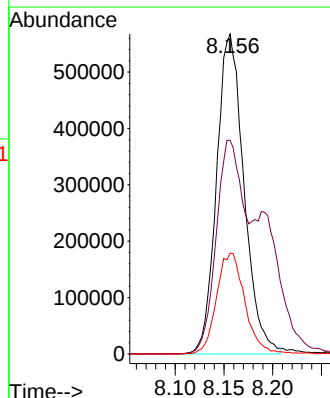
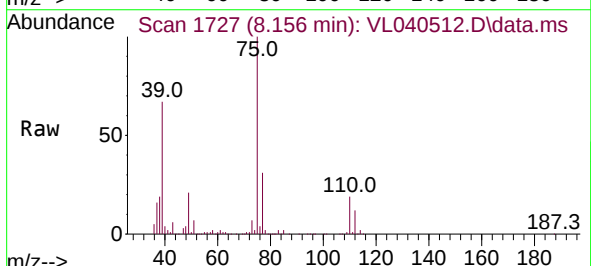
Tgt Ion: 75 Resp: 1109564

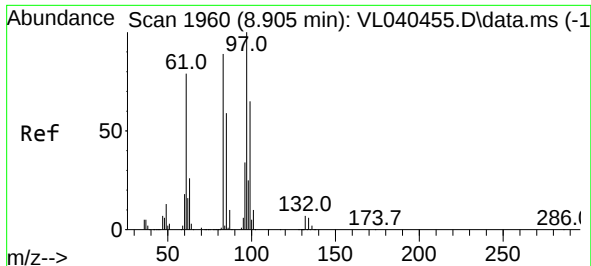
Ion Ratio Lower Upper

75 100

39 66.5 54.2 81.4

77 31.5 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 15.427 ppbv

RT: 8.912 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 133328

Ion Ratio Lower Upper

97 100

83 93.1 71.4 107.2

85 54.4 47.2 70.8

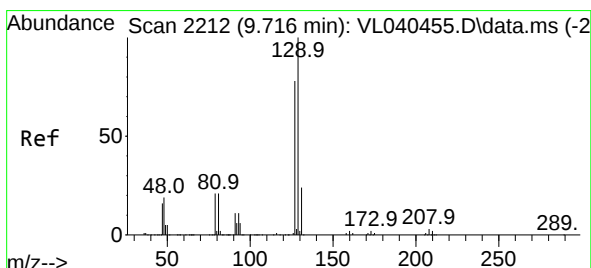
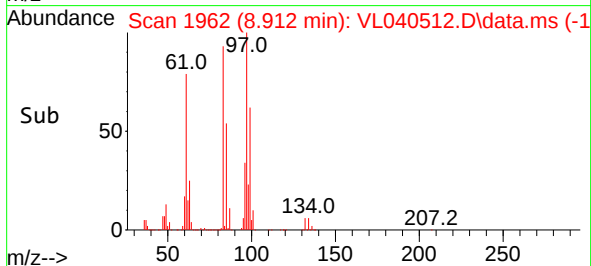
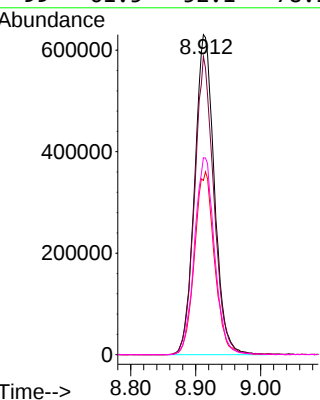
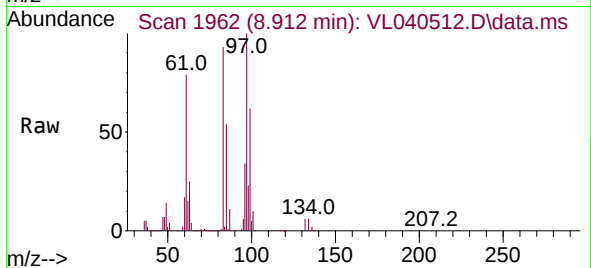
99 61.5 52.1 78.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#48

Dibromochloromethane

Concen: 17.121 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. 0.010 min

Lab File: VL040512.D

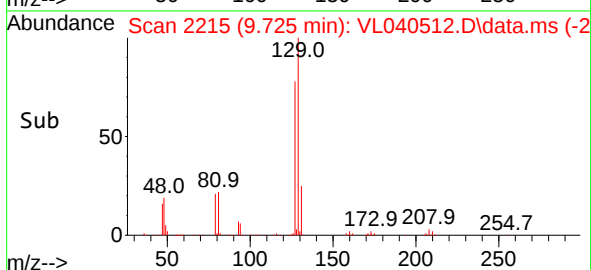
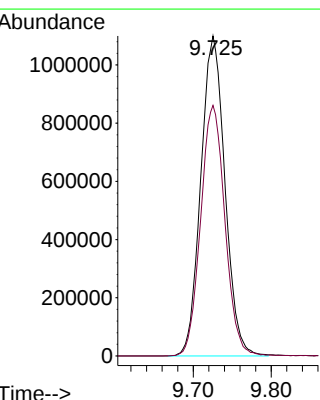
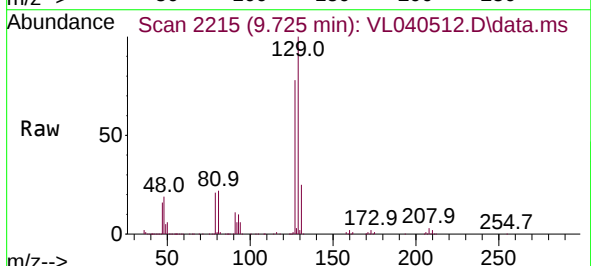
Acq: 10 Jul 2023 15:55

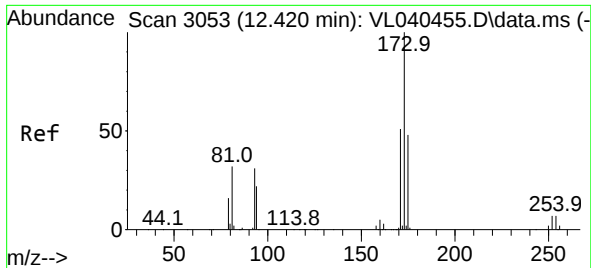
Tgt Ion:129 Resp: 2365499

Ion Ratio Lower Upper

129 100

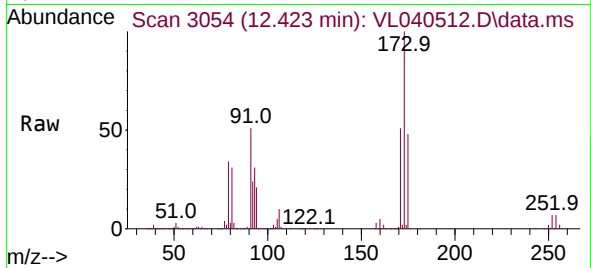
127 79.0 39.4 118.1





#49
Bromoform
Concen: 18.984 ppbv
RT: 12.423 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

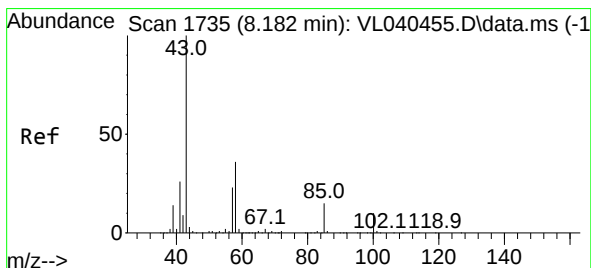
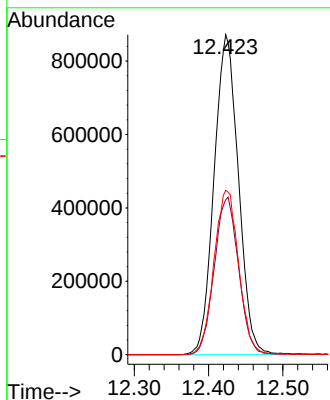
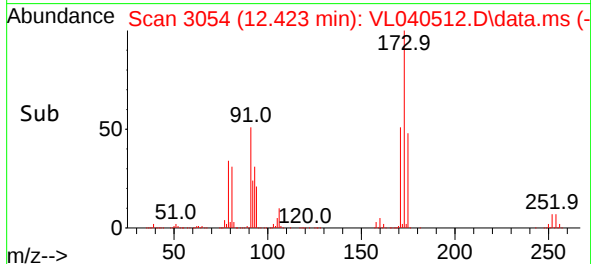
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:173 Resp: 1984520
Ion Ratio Lower Upper
173 100
175 49.4 39.2 58.8
171 52.5 42.2 63.2

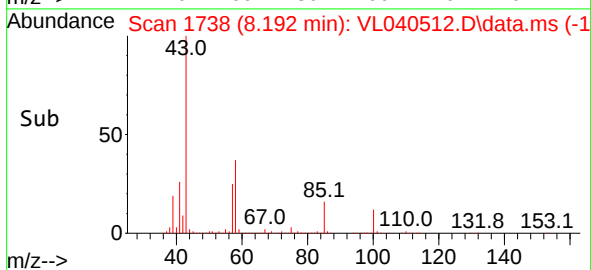
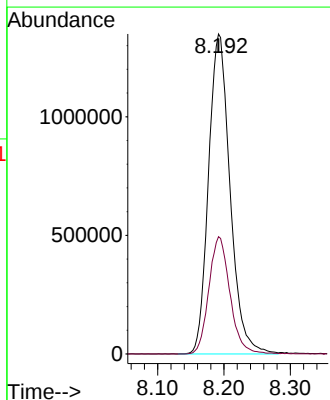
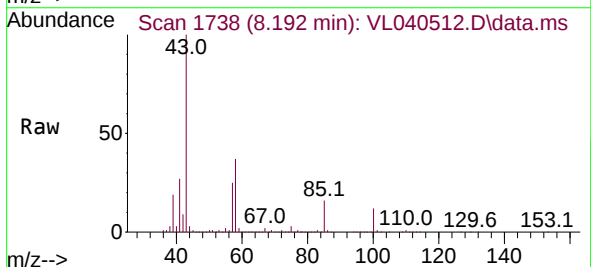
Manual Integrations
APPROVED

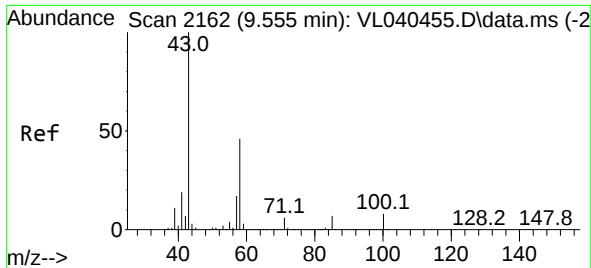
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#50
4-Methyl-2-Pentanone
Concen: 18.349 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.010 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion: 43 Resp: 3038972
Ion Ratio Lower Upper
43 100
58 36.0 28.2 42.4





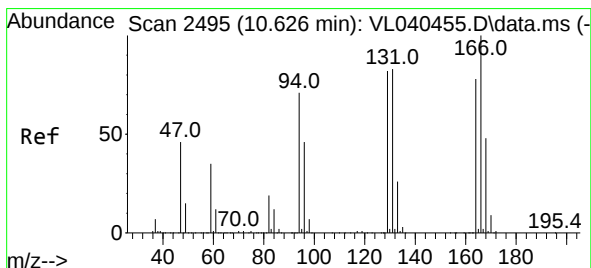
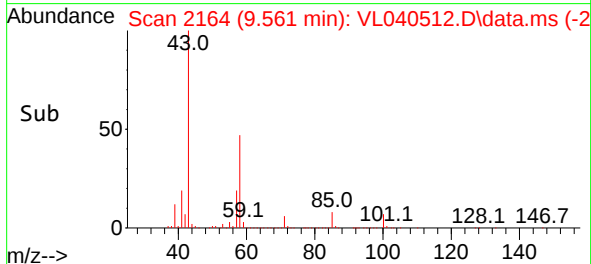
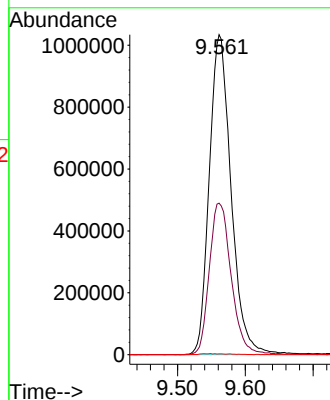
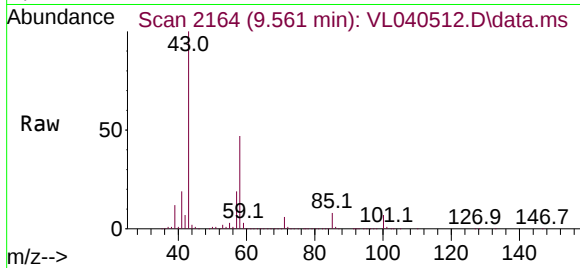
#51
2-Hexanone
Concen: 20.055 ppbv
RT: 9.561 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 2305889
Ion Ratio Lower Upper
43 100
58 47.7 37.1 55.7
98 0.5 0.5 0.7

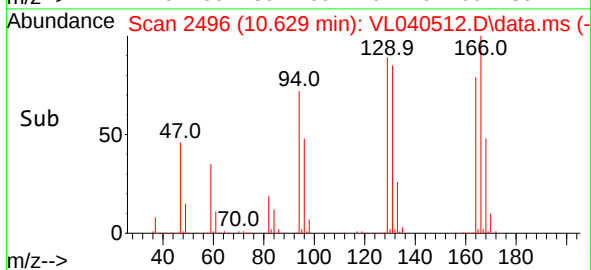
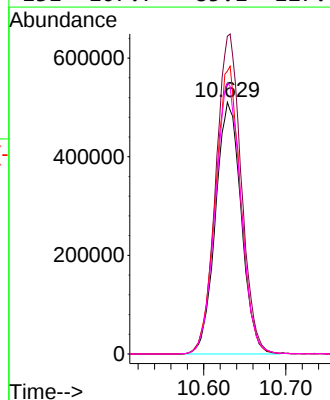
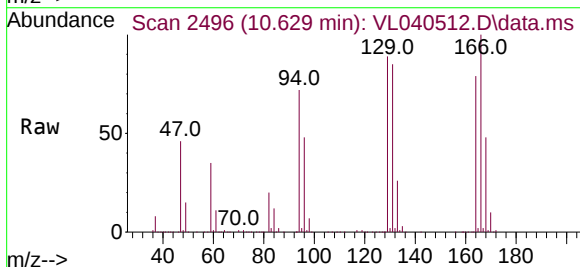
Manual Integrations
APPROVED

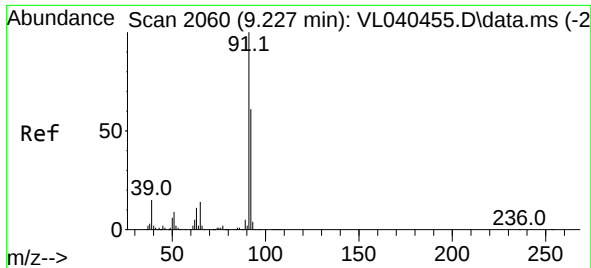
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#52
Tetrachloroethene
Concen: 17.361 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion:164 Resp: 1111876
Ion Ratio Lower Upper
164 100
166 126.3 102.7 154.1
129 112.4 84.6 126.8
131 107.7 85.1 127.7





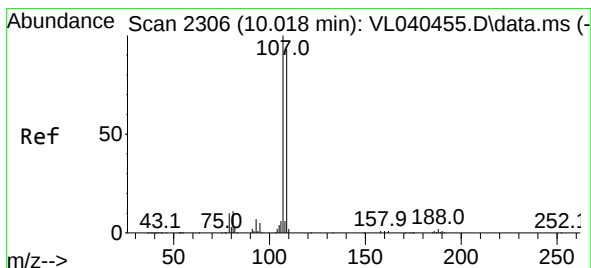
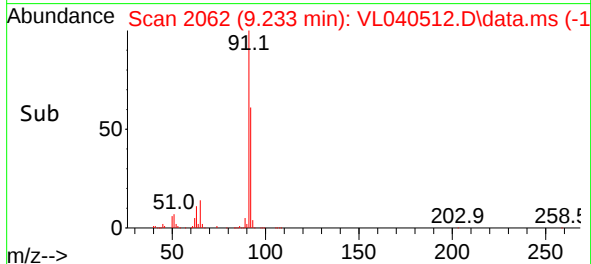
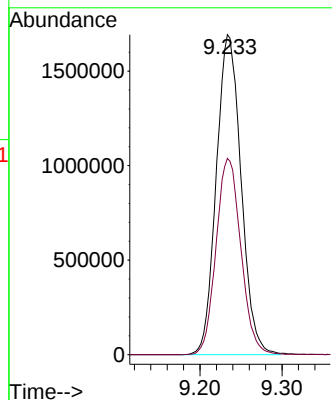
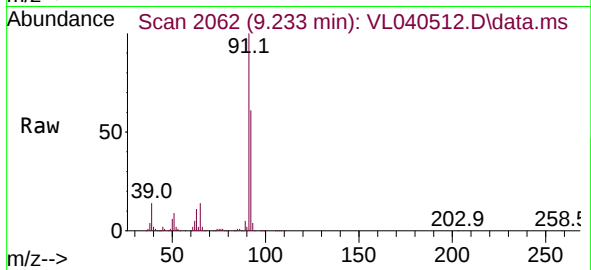
#53
Toluene
Concen: 16.563 ppbv
RT: 9.233 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 355832
Ion Ratio Lower Upper
91 100
92 61.5 49.1 73.7

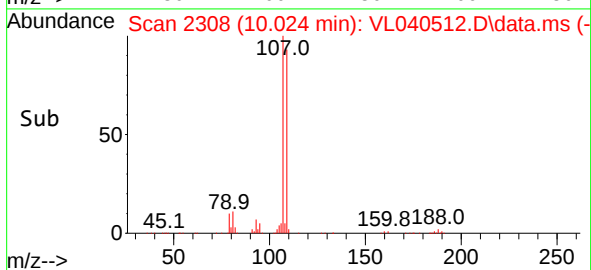
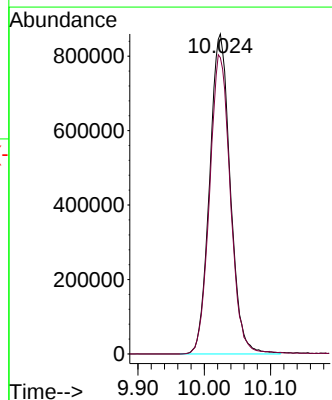
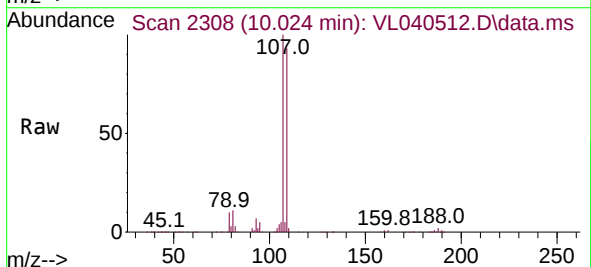
Manual Integrations
APPROVED

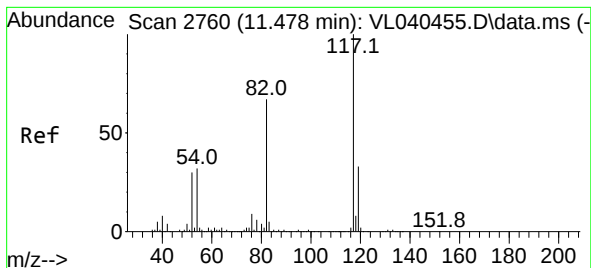
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#54
1,2-Dibromoethane
Concen: 16.425 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

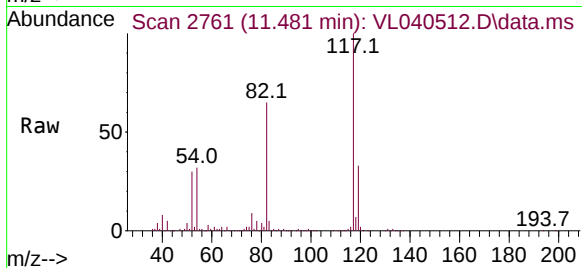
Tgt Ion:107 Resp: 1860893
Ion Ratio Lower Upper
107 100
109 92.6 74.5 111.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

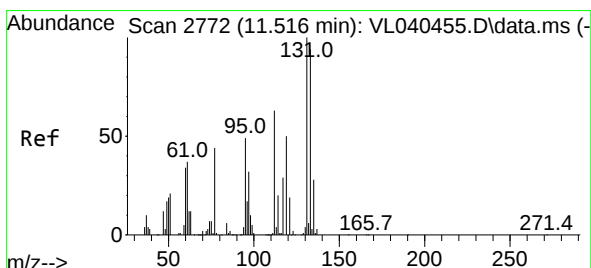
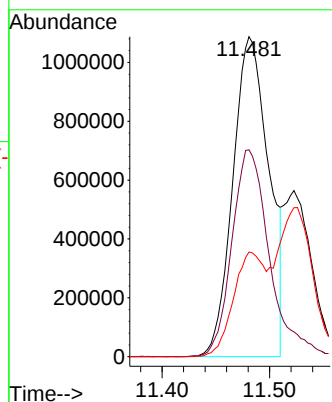
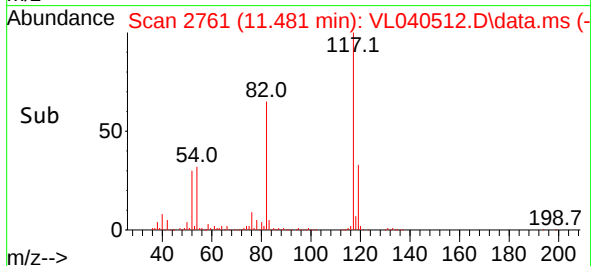
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



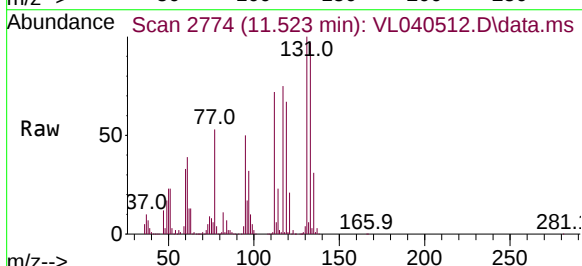
Tgt Ion:117 Resp: 2529620
Ion Ratio Lower Upper
117 100
82 67.7 53.0 79.4
119 0.0 24.4 36.6

Manual Integrations
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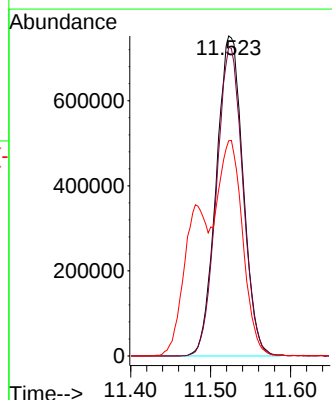
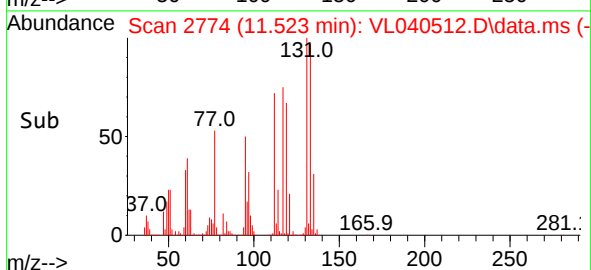
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

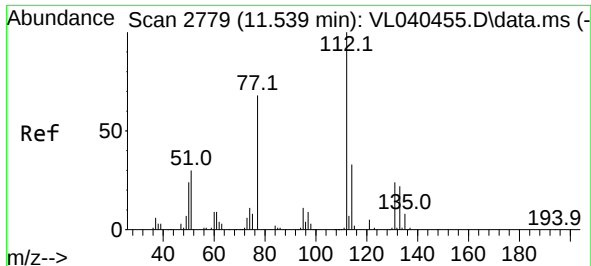


#56
1,1,1,2-Tetrachloroethane
Concen: 14.699 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



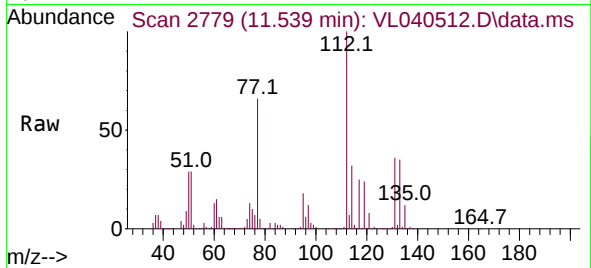
Tgt Ion:131 Resp: 1747631
Ion Ratio Lower Upper
131 100
133 95.1 75.7 113.5
119 108.7 51.4 77.2





#57
Chlorobenzene
Concen: 15.018 ppbv
RT: 11.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

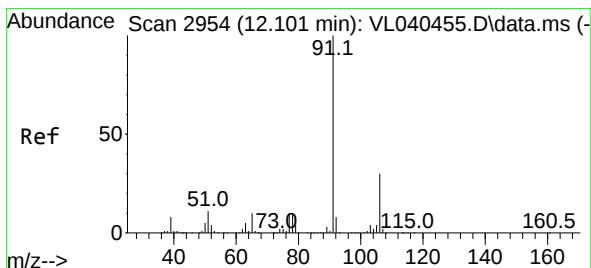
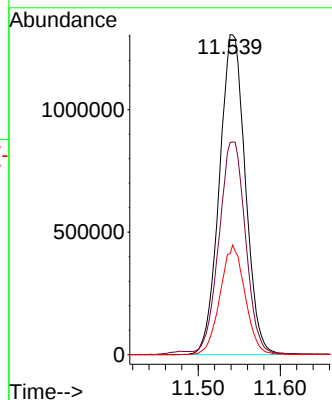
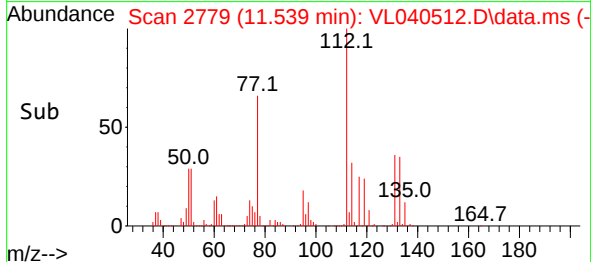
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:112 Resp: 287142
Ion Ratio Lower Upper
112 100
77 66.0 55.4 83.2
114 31.5 30.0 36.6

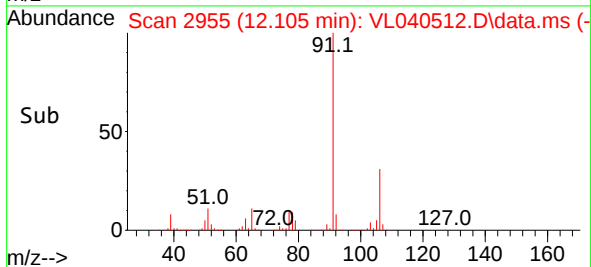
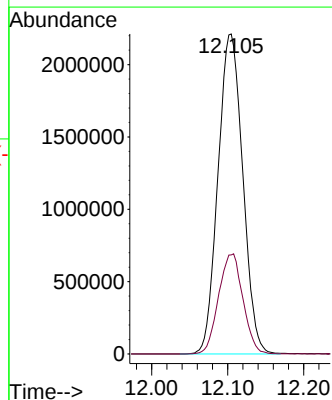
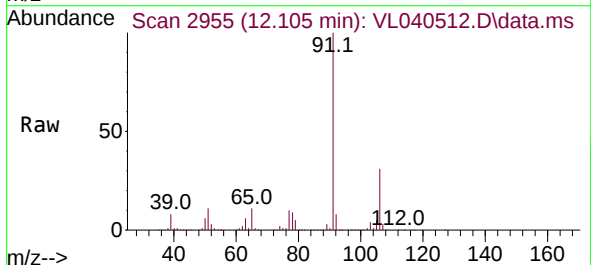
Manual Integrations
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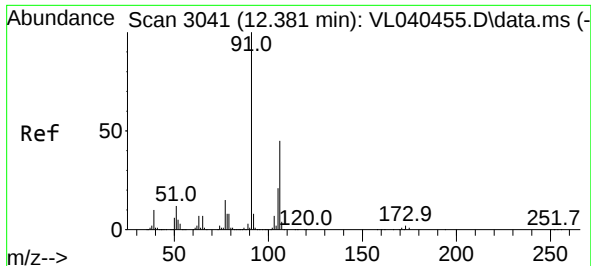
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#58
Ethyl Benzene
Concen: 16.311 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion: 91 Resp: 4999311
Ion Ratio Lower Upper
91 100
106 31.0 23.7 35.5





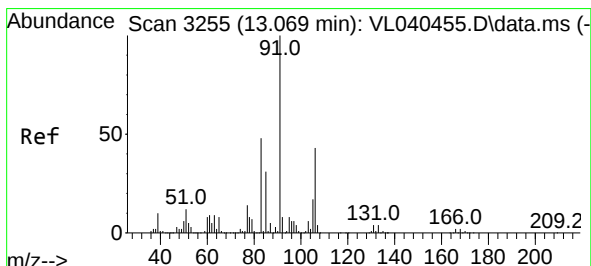
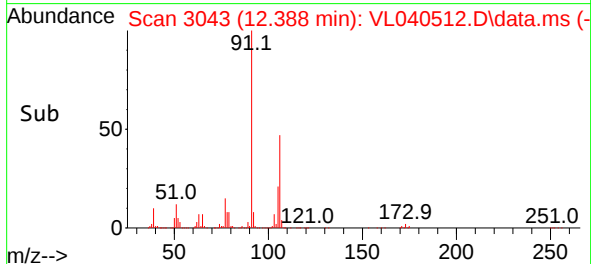
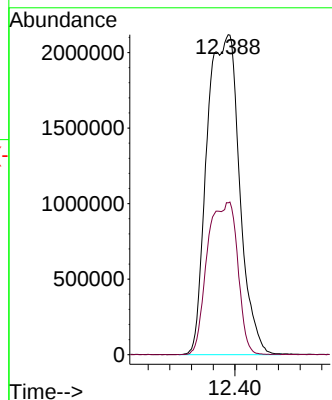
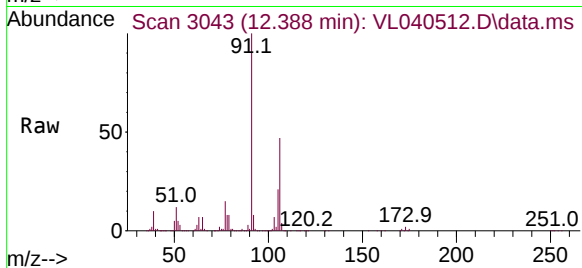
#59
m/p-Xylene
Concen: 31.181 ppbv m
RT: 12.388 min Scan# 3041
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 8783070
Ion Ratio Lower Upper
91 100
106 44.3 34.6 52.0

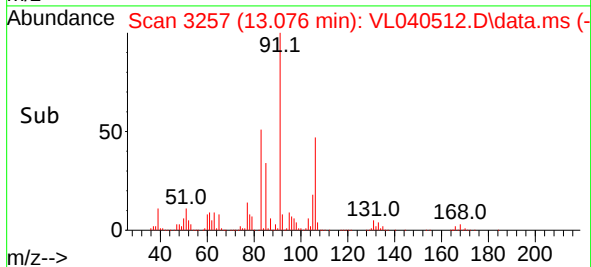
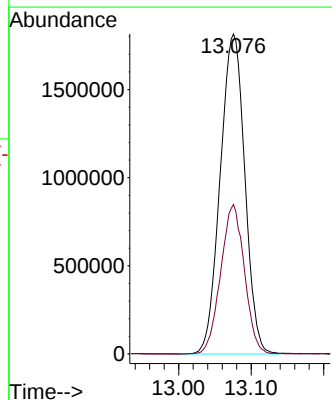
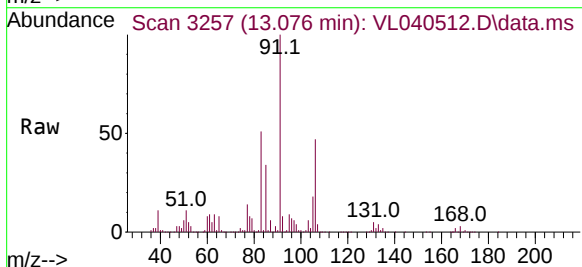
Manual Integrations
APPROVED

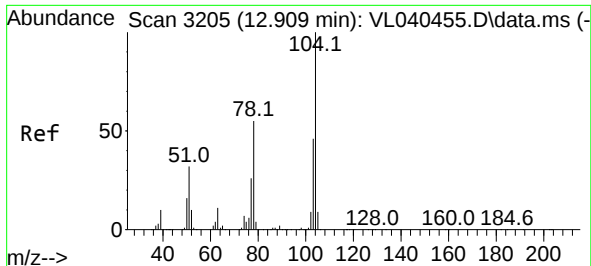
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#60
o-Xylene
Concen: 16.005 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Tgt Ion: 91 Resp: 4275971
Ion Ratio Lower Upper
91 100
106 45.1 22.1 66.1





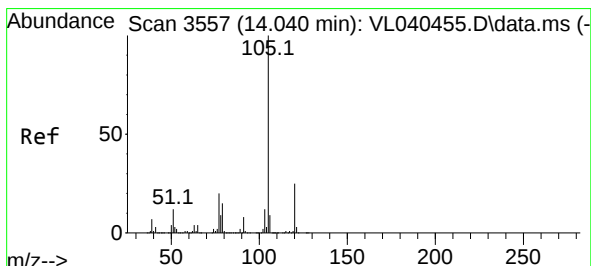
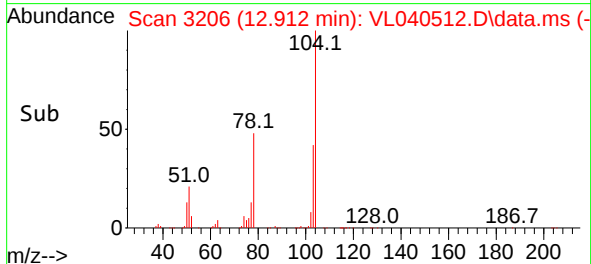
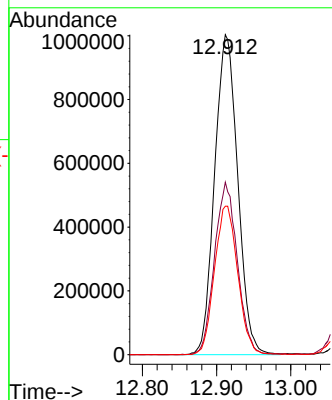
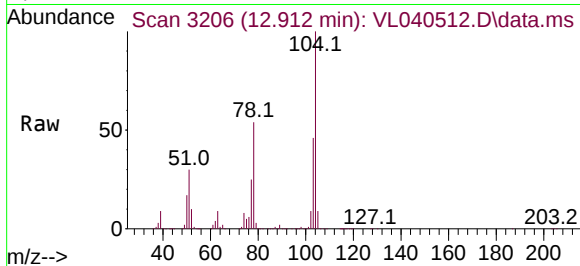
#61
Styrene
Concen: 18.862 ppbv
RT: 12.912 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 216866
Ion Ratio Lower Upper
104 100
78 53.3 43.1 64.7
103 47.0 37.1 55.7

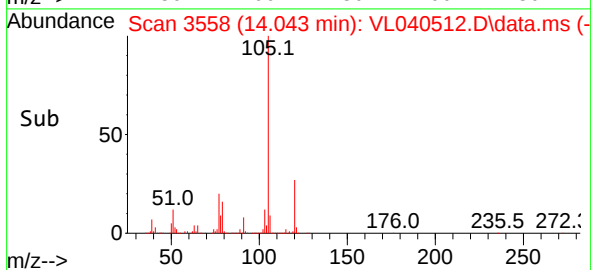
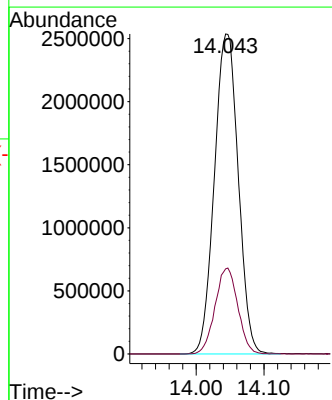
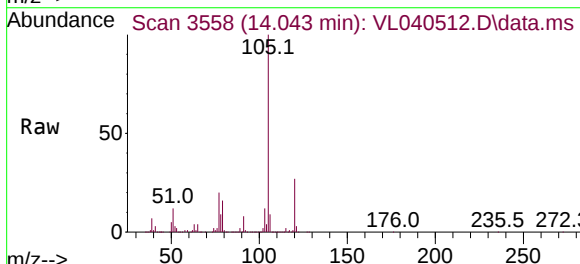
Manual Integrations
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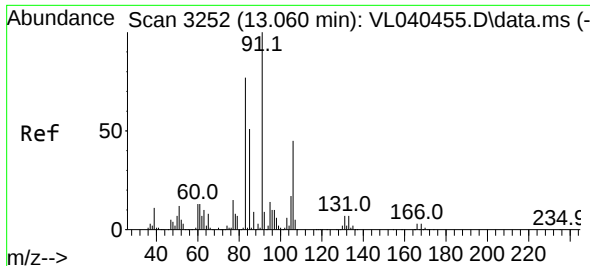
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#62
Isopropylbenzene
Concen: 15.596 ppbv
RT: 14.043 min Scan# 3558
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

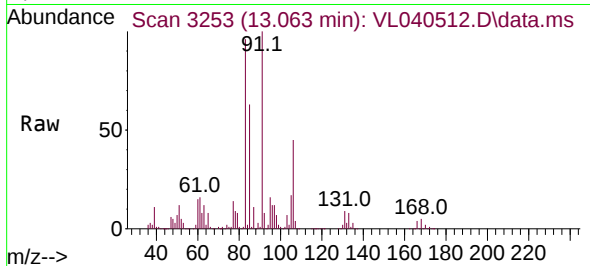
Tgt Ion:105 Resp: 6193838
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 17.370 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

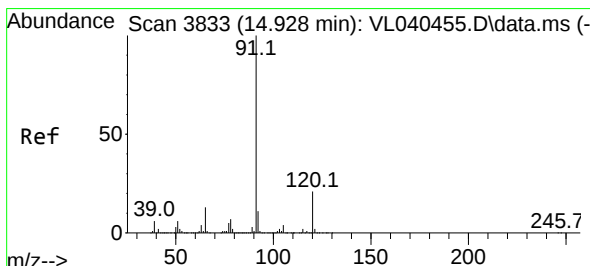
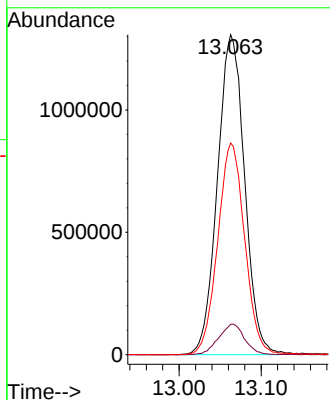
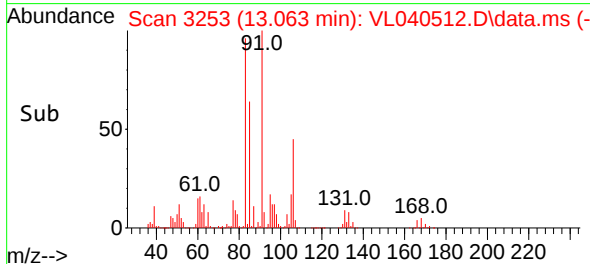
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



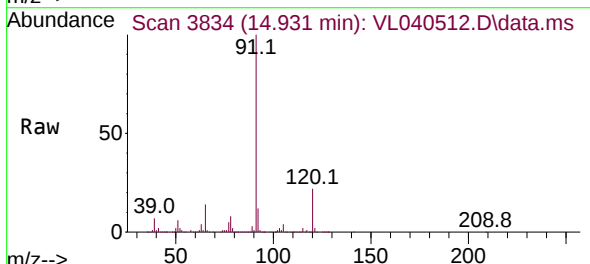
Tgt Ion: 83 Resp: 300490
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 66.2 33.0 99.0

Manual Integrations
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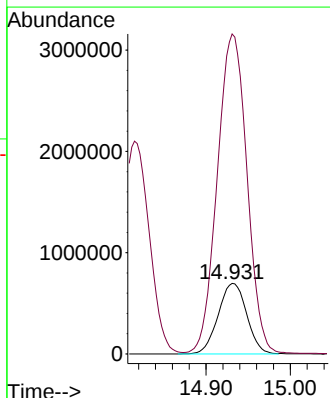
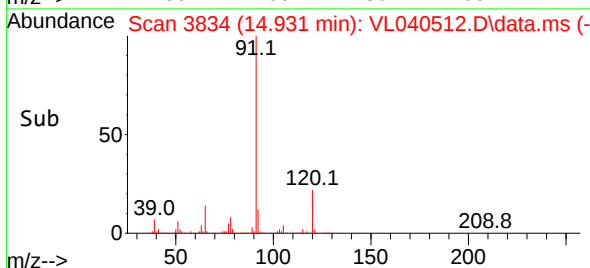
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

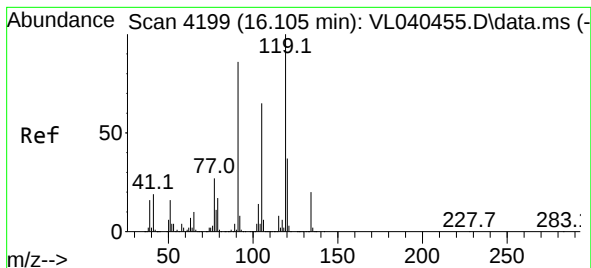


#64
n-propylbenzene
Concen: 16.248 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



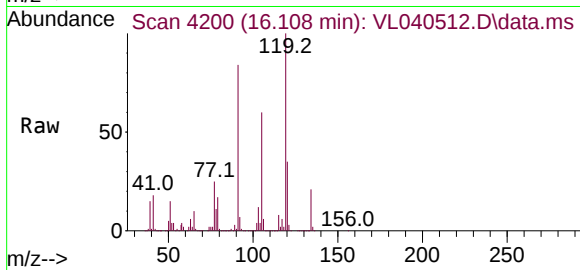
Tgt Ion:120 Resp: 1638387
Ion Ratio Lower Upper
120 100
91 473.4 388.5 582.7





#65
tert-Butylbenzene
Concen: 16.327 ppbv
RT: 16.108 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

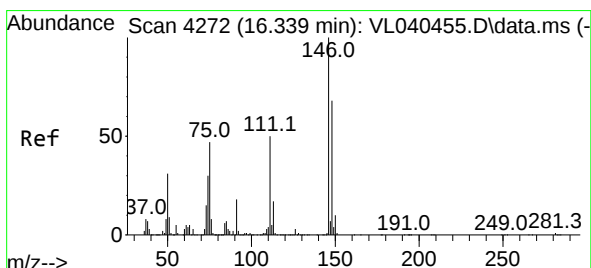
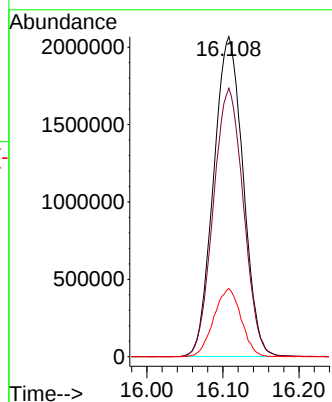
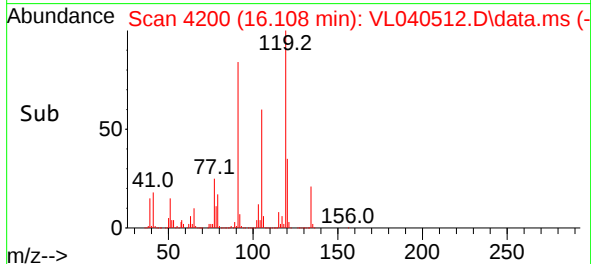
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



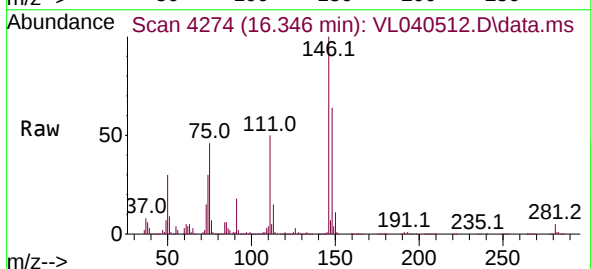
Tgt Ion: 119 Resp: 556316
Ion Ratio Lower Upper
119 100
91 85.8 70.5 105.7
134 19.9 15.6 23.4

Manual Integrations
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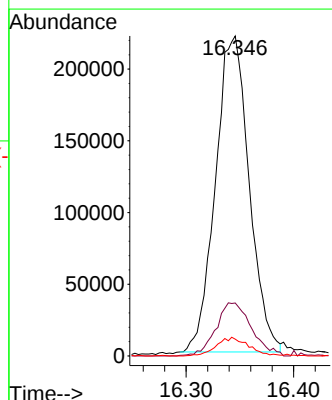
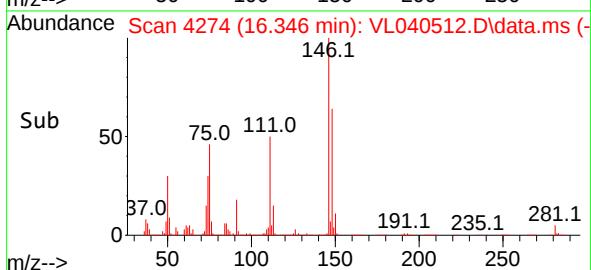
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

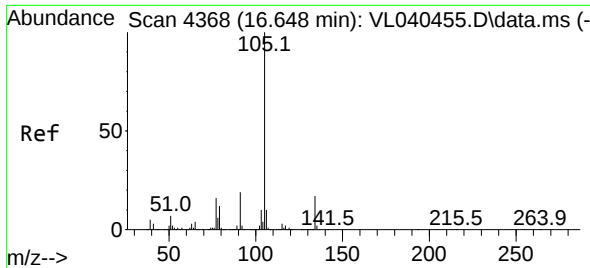


#66
Benzyl Chloride
Concen: 18.275 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



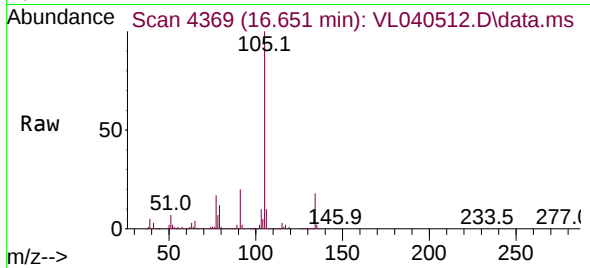
Tgt Ion: 91 Resp: 479851
Ion Ratio Lower Upper
91 100
126 17.9 13.2 19.8
128 5.8 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 16.105 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55

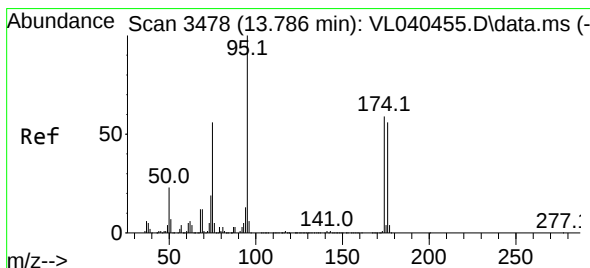
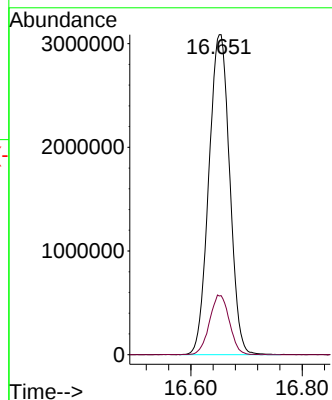
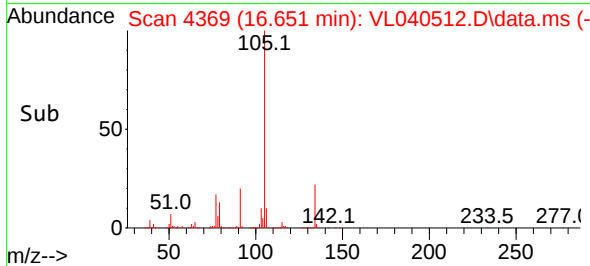
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



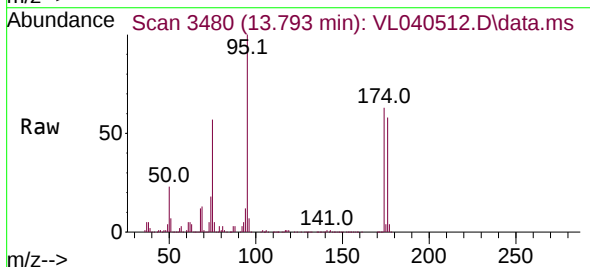
Tgt Ion:105 Resp: 8001729
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.0 21.0

Manual Integrations
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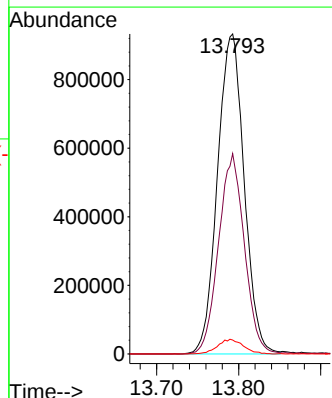
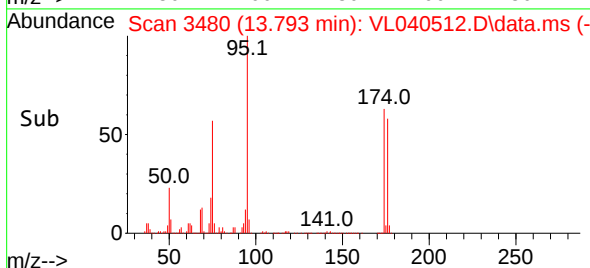
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

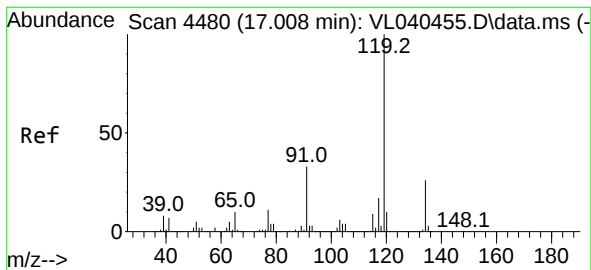


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.109 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.006 min
 Lab File: VL040512.D
 Acq: 10 Jul 2023 15:55



Tgt Ion: 95 Resp: 2110498
 Ion Ratio Lower Upper
 95 100
 174 60.9 47.7 71.5
 175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 16.881 ppbv

RT: 17.011 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 6665398

Ion Ratio Lower Upper

119 100

134 26.0 20.3 30.5

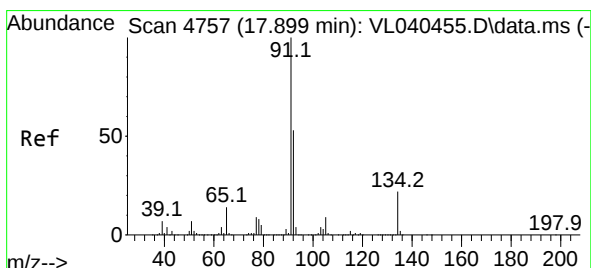
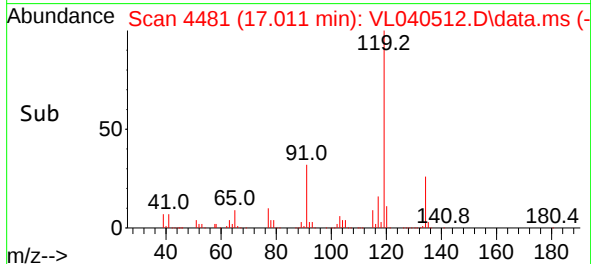
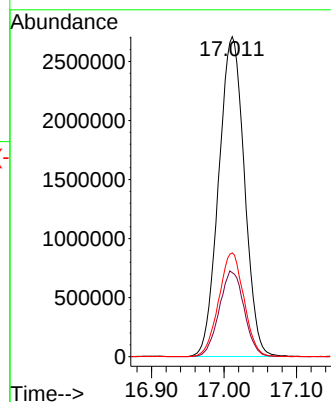
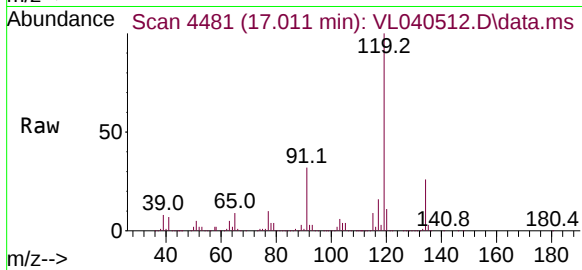
91 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#70

n-Butylbenzene

Concen: 17.053 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.003 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

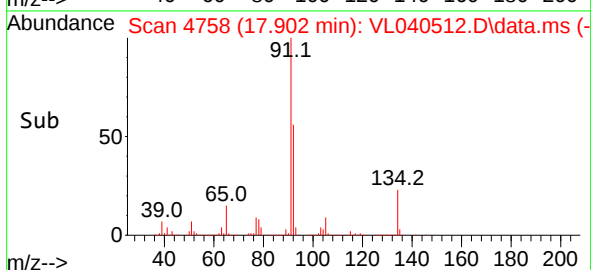
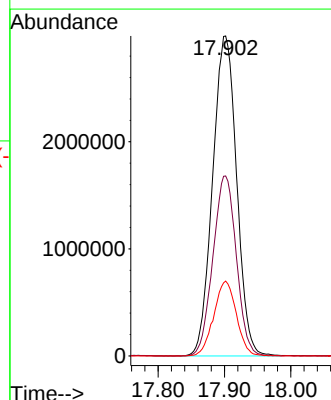
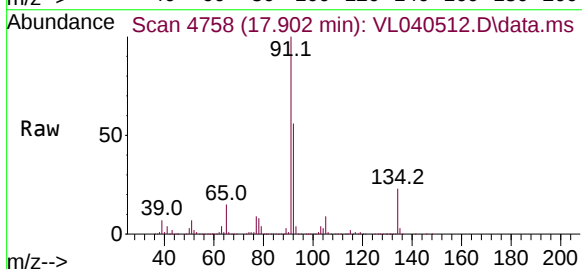
Tgt Ion: 91 Resp: 7515996

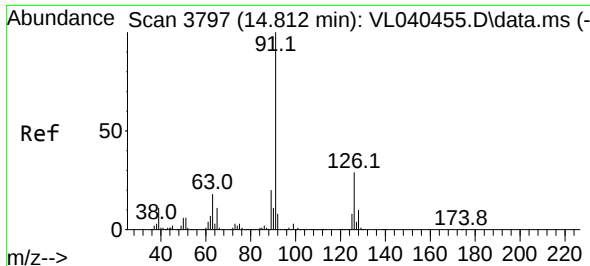
Ion Ratio Lower Upper

91 100

92 55.1 42.7 64.1

134 22.1 16.9 25.3





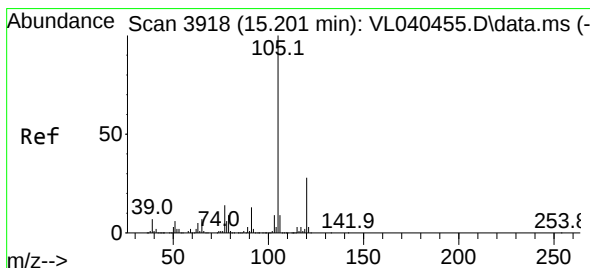
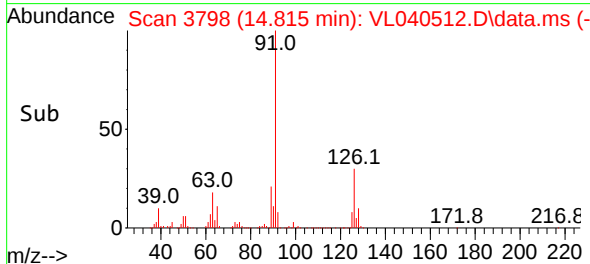
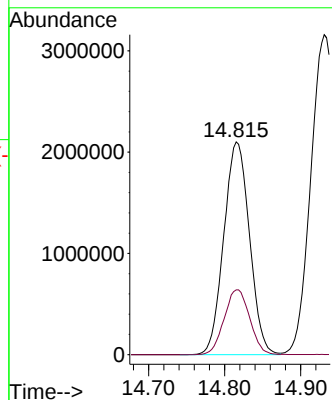
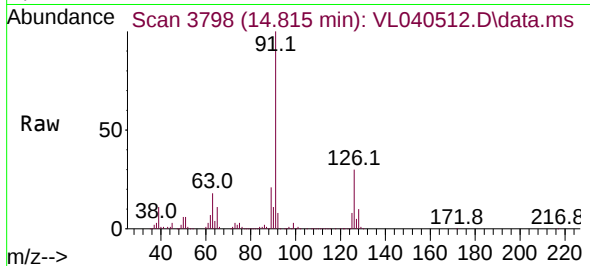
#71
2-Chlorotoluene
Concen: 16.722 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 493134
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.2

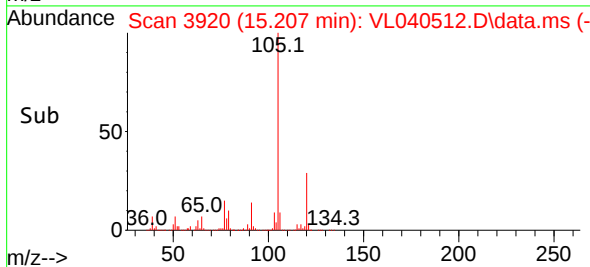
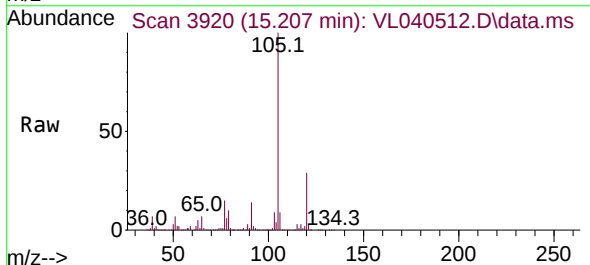
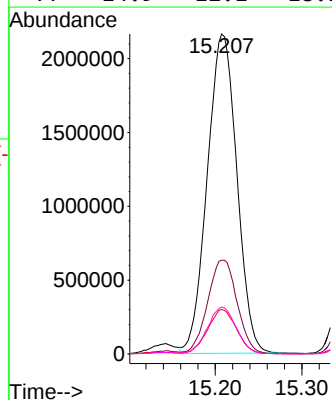
Manual Integrations
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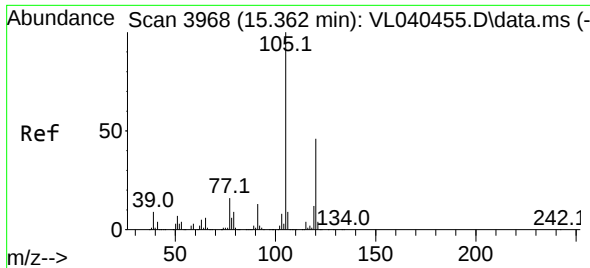
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#72
4-Ethyltoluene
Concen: 17.075 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.006 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

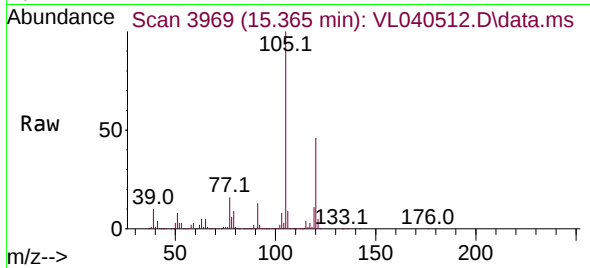
Tgt Ion:105 Resp: 5138289
Ion Ratio Lower Upper
105 100
120 29.4 23.4 35.0
91 14.1 11.1 16.7
77 14.9 12.1 18.1





#73
1,3,5-Trimethylbenzene
Concen: 16.916 ppbv
RT: 15.365 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

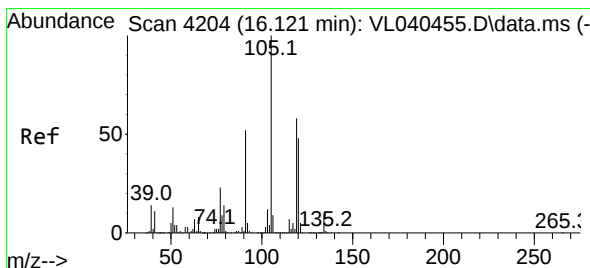
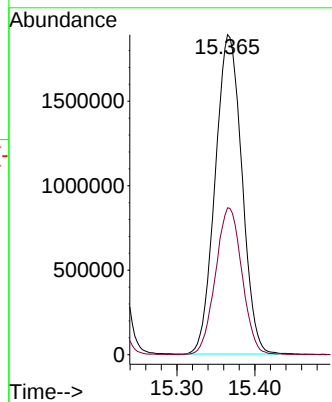
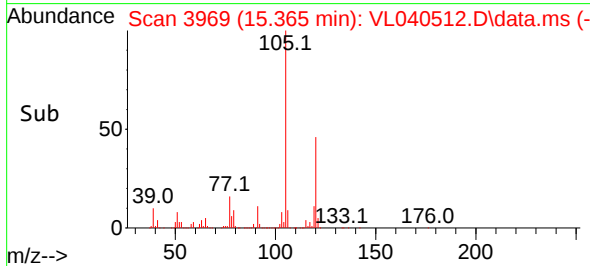
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



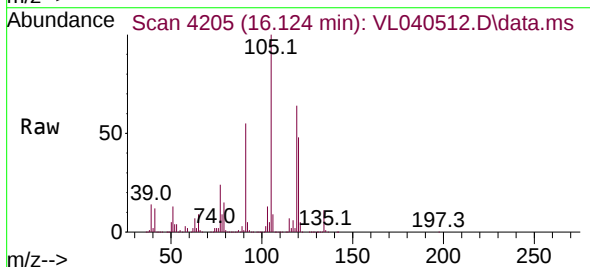
Tgt Ion:105 Resp: 4499108
Ion Ratio Lower Upper
105 100
120 45.8 36.4 54.6

Manual Integrations
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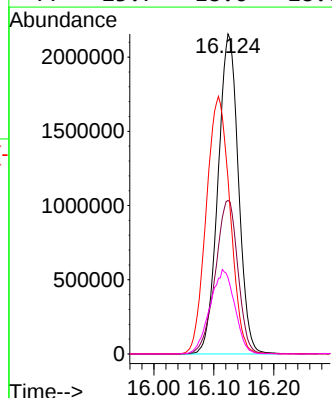
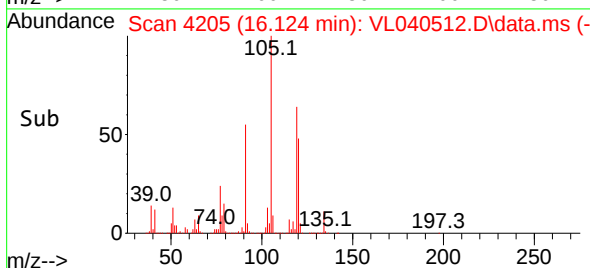
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

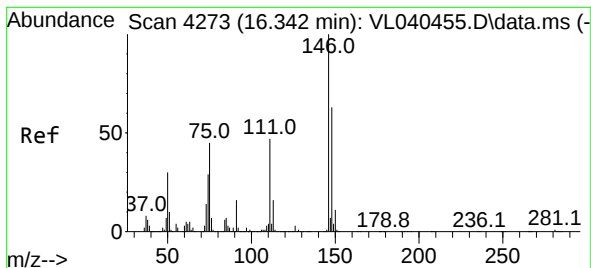


#74
1,2,4-Trimethylbenzene
Concen: 16.238 ppbv
RT: 16.124 min Scan# 4205
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion:105 Resp: 5080562
Ion Ratio Lower Upper
105 100
120 47.9 38.4 57.6
91 54.6 41.3 61.9
77 23.7 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 17.170 ppbv

RT: 16.349 min Scan# 4273

Delta R.T. 0.006 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 301362

Ion Ratio Lower Upper

146 100

111 48.4 24.6 73.8

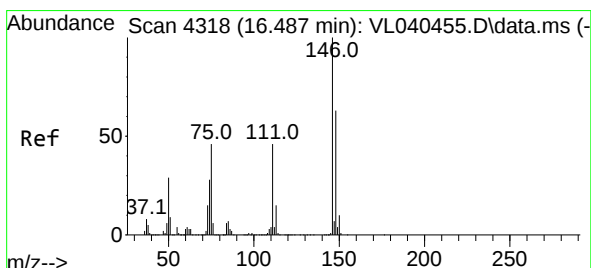
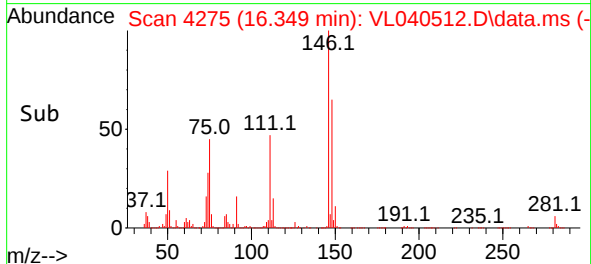
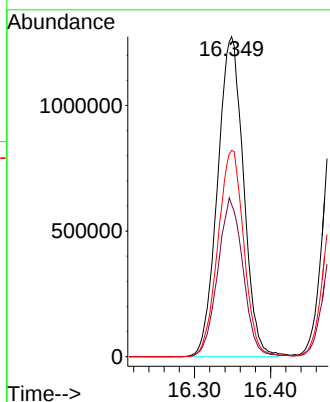
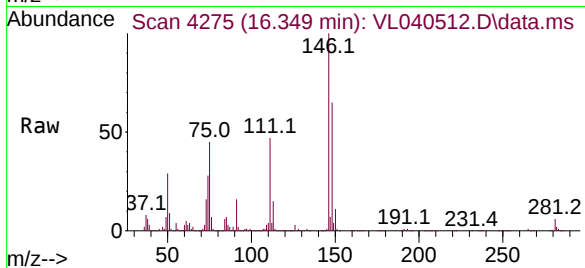
148 64.5 32.4 97.2

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Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#76

1,4-Dichlorobenzene

Concen: 17.441 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.003 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

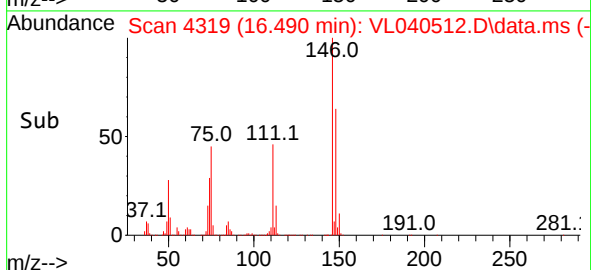
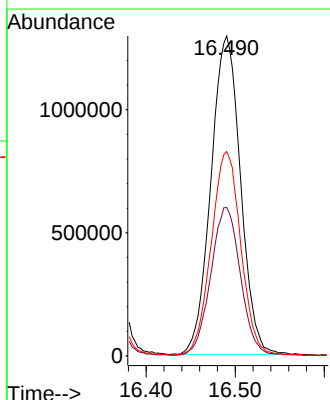
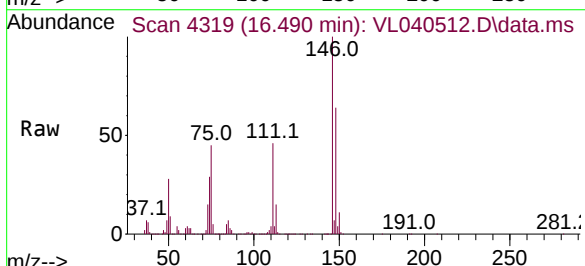
Tgt Ion:146 Resp: 2976688

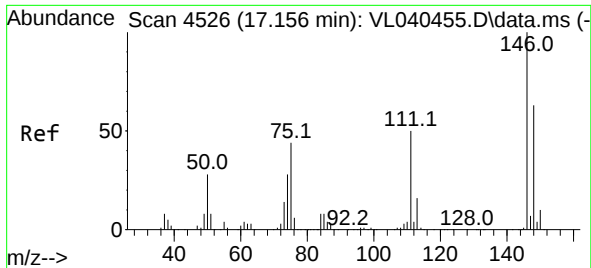
Ion Ratio Lower Upper

146 100

111 47.4 23.8 71.5

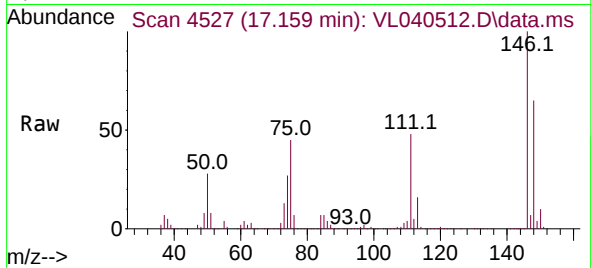
148 65.2 32.9 98.6





#77
1,2-Dichlorobenzene
Concen: 17.460 ppbv
RT: 17.159 min Scan# 4526
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55

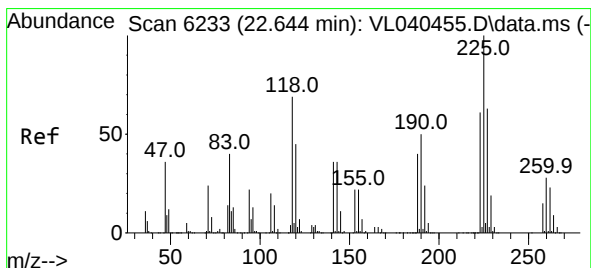
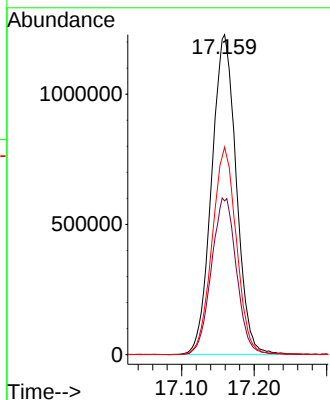
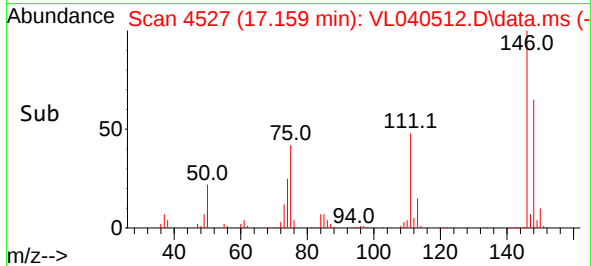
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



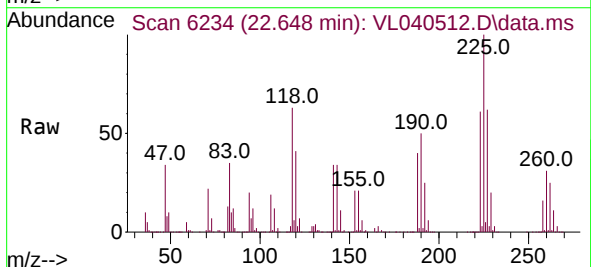
Tgt Ion:146 Resp: 2894879
Ion Ratio Lower Upper
146 100
111 50.0 25.1 75.3
148 64.4 32.0 96.2

Manual Integrations
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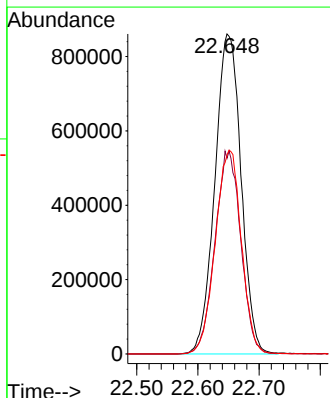
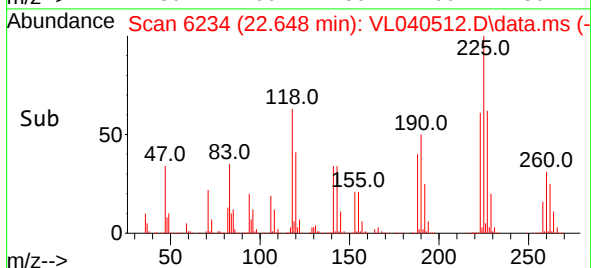
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

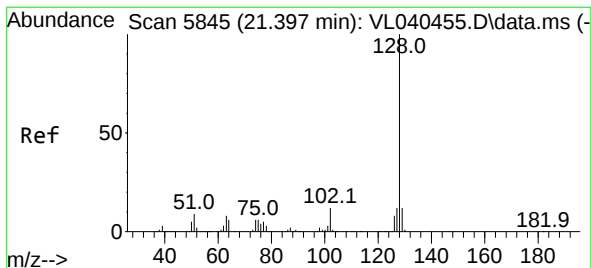


#78
Hexachloro-1,3-Butadiene
Concen: 20.071 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.003 min
Lab File: VL040512.D
Acq: 10 Jul 2023 15:55



Tgt Ion:225 Resp: 2566632
Ion Ratio Lower Upper
225 100
223 62.7 50.0 75.0
227 63.5 50.9 76.3





#79

Naphthalene

Concen: 29.672 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. -0.000 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:128 Resp: 534713

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

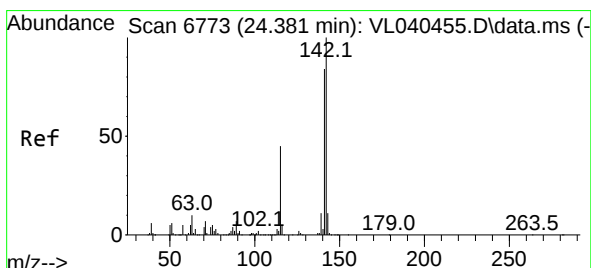
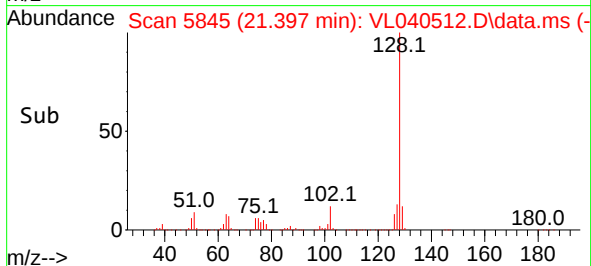
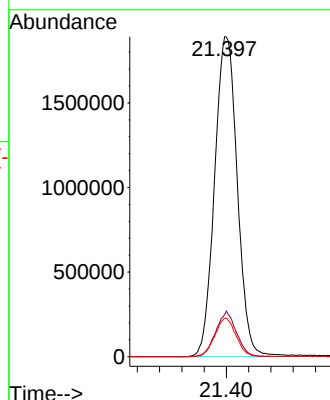
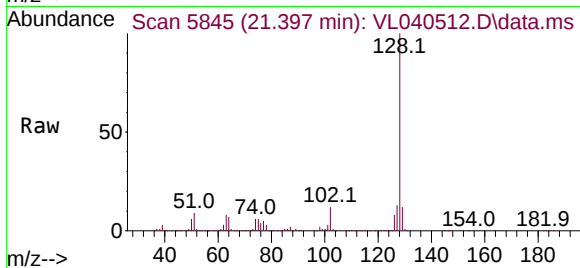
129 12.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#80

Naphthalene,2-methyl-

Concen: 43.388 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. -0.000 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

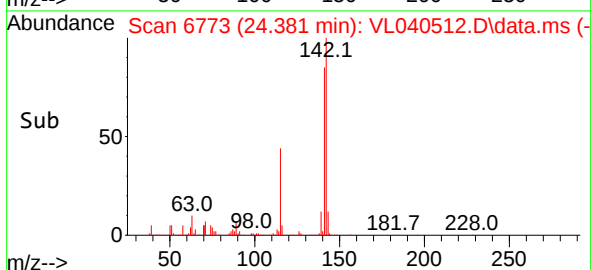
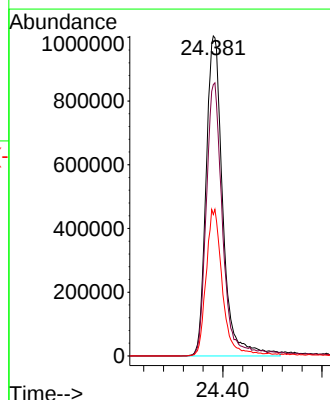
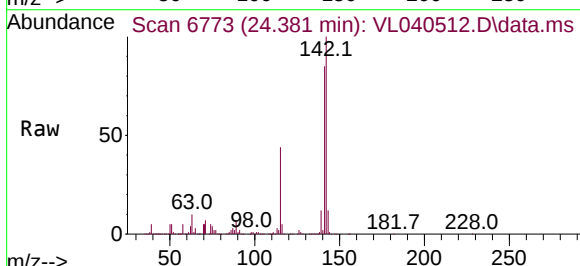
Tgt Ion:142 Resp: 2346319

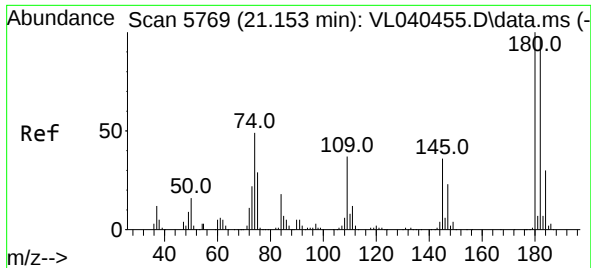
Ion Ratio Lower Upper

142 100

141 85.0 65.4 98.0

115 45.9 36.6 55.0





#81

1,2,4-Trichlorobenzene

Concen: 27.902 ppbv

RT: 21.156 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040512.D

Acq: 10 Jul 2023 15:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:180 Resp: 3114749

Ion Ratio Lower Upper

180 100

182 96.3 77.2 115.8

184 31.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023

