

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071023\
 Data File : VL040507.D
 Acq On : 10 Jul 2023 12:28
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jul 10 13:28:14 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 : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1137002	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	3080559	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2945686	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2210761 9.093 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 90.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	453460	1.833	ppbv	99
3) Chlorodifluoromethane	2.681	51	372019	1.998	ppbv	94
4) Chloromethane	2.819	50	145475	2.018	ppbv	95
5) Vinyl Chloride	2.928	62	158053	2.197	ppbv	99
6) Bromomethane	3.127	94	61045	1.639	ppbv	91
7) Chloroethane	3.201	64	54941	2.045	ppbv	95
8) Dichlorotetrafluoroethane	2.864	85	376146	1.925	ppbv	97
9) Propene	2.700	41	131710	2.294	ppbv	98
10) Heptane	7.590	43	295621	2.274	ppbv	100
11) Trichlorofluoromethane	3.571	101	368577	1.829	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	255702	1.817	ppbv	94
13) Ethanol	3.259	45	30244	2.543	ppbv	96
14) Bromoethene	3.375	108	113537	1.928	ppbv	99
15) Acetone	3.478	43	261910	1.910	ppbv	93
16) 1,3-Butadiene	2.992	39	133904	2.006	ppbv	96
17) tert-Butyl alcohol	3.886	59	266419	2.363	ppbv	98
18) 1,1-Dichloroethene	3.886	96	118383m	1.887	ppbv	
19) Isopropyl Alcohol	3.584	45	156712	2.371	ppbv	98
20) Methylene Chloride	3.938	84	113467	1.939	ppbv	92
21) Allyl Chloride	4.002	41	148782	1.921	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	115952	1.802	ppbv	96
23) Vinyl Acetate	4.635	43	240836	1.798	ppbv	99
24) 1,1-Dichloroethane	4.571	63	254851	1.897	ppbv	99
25) Ethyl Acetate	5.217	43	527222	2.122	ppbv	99
26) Hexane	5.221	57	250116	2.126	ppbv	98
27) Carbon Disulfide	4.134	76	271444	1.844	ppbv	97
28) Methyl tert-Butyl Ether	4.597	73	189195	2.088	ppbv	98
29) Chloroform	5.282	83	386711	1.929	ppbv	99
30) Cyclohexane	6.610	84	208520	2.199	ppbv	94
31) cis-1,2-Dichloroethene	5.086	61	233756	2.076	ppbv	94
32) 1,1,1-Trichloroethane	6.012	97	376855	1.905	ppbv	98
34) 2-Butanone	4.796	43	324041	2.181	ppbv	98
35) Carbon Tetrachloride	6.504	117	379135	1.806	ppbv	97
36) Benzene	6.378	78	522059	2.131	ppbv	96
37) 1,2-Dichloroethane	5.812	62	295090	1.848	ppbv	98
38) Trichloroethene	7.301	130	203969	2.197	ppbv	96
39) 1,2-Dichloropropane	7.082	63	192692	2.040	ppbv	89
40) 1,4-Dioxane	7.311	88	65045	2.431	ppbv #	100
41) Tetrahydrofuran	5.571	42	186965	2.303	ppbv	99
42) Bromodichloromethane	7.259	83	406227	1.848	ppbv	94
43) Methyl Methacrylate	7.484	69	192595	2.188	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	852680	2.129	ppbv	98
45) t-1,3-Dichloropropene	8.722	75	112872	1.737	ppbv	96

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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

Quant Time: Jul 10 13:28:14 2023

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

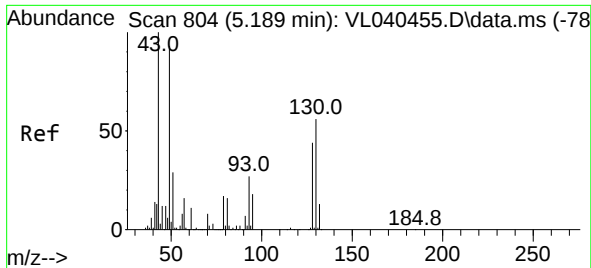
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jun 06 06:22:12 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	158920	2.006	ppbv	92
47) 1,1,2-Trichloroethane	8.909	97	217111	2.091	ppbv	98
48) Dibromochloromethane	9.722	129	325840	1.963	ppbv	99
49) Bromoform	12.423	173	256633	2.044	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	460058	2.312	ppbv	96
51) 2-Hexanone	9.568	43	321216	2.326	ppbv #	95
52) Tetrachloroethene	10.629	164	180180	2.342	ppbv	97
53) Toluene	9.233	91	575864	2.231	ppbv	100
54) 1,2-Dibromoethane	10.021	107	279029	2.050	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	260724	1.883	ppbv #	1
57) Chlorobenzene	11.539	112	472575	2.123	ppbv	95
58) Ethyl Benzene	12.105	91	791159	2.217	ppbv	100
59) m/p-Xylene	12.378	91	1386375m	4.227	ppbv	
60) o-Xylene	13.072	91	662442	2.129	ppbv	99
61) Styrene	12.912	104	307720	2.298	ppbv	97
62) Isopropylbenzene	14.040	105	983499	2.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	474132	2.354	ppbv	97
64) n-propylbenzene	14.931	120	257094	2.190	ppbv	97
65) tert-Butylbenzene	16.101	119	895353	2.257	ppbv	97
66) Benzyl Chloride	16.346	91	52650m	1.722	ppbv	
67) sec-Butylbenzene	16.648	105	1307327	2.260	ppbv	99
69) p-Isopropyltoluene	17.008	119	1086423	2.363	ppbv	97
70) n-Butylbenzene	17.902	91	1202742	2.344	ppbv	99
71) 2-Chlorotoluene	14.815	91	763650	2.224	ppbv	98
72) 4-Ethyltoluene	15.207	105	791269	2.258	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	692752	2.237	ppbv	95
74) 1,2,4-Trimethylbenzene	16.121	105	807031	2.215	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	465112	2.276	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	452843	2.279	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	455001	2.357	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	426999	2.868	ppbv	99
79) Naphthalene	21.400	128	758253	3.613	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	289259	4.593	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	472843	3.637	ppbv	100

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



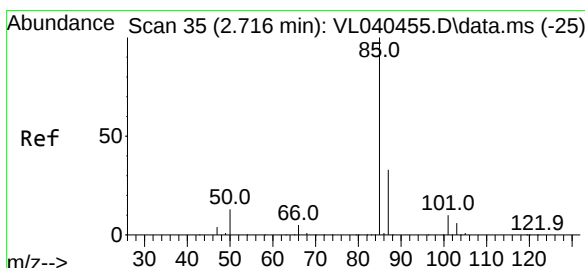
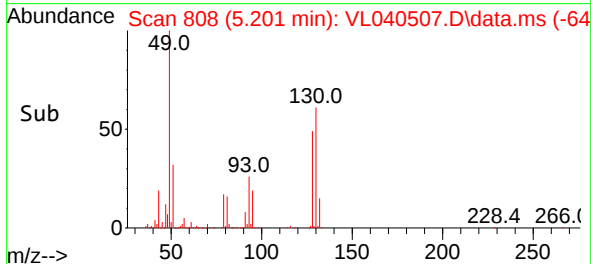
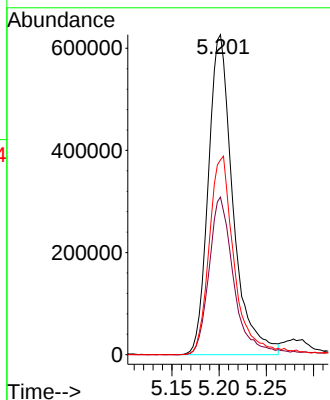
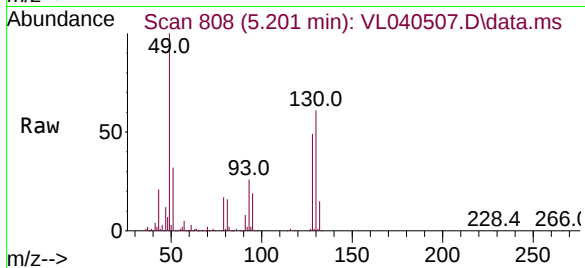
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.012 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 113700
Ion Ratio Lower Upper
49 100
128 50.7 24.7 74.1
130 64.5 31.4 94.2

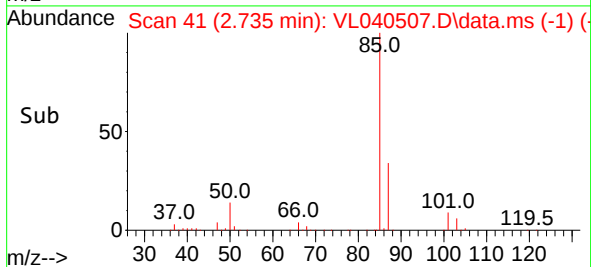
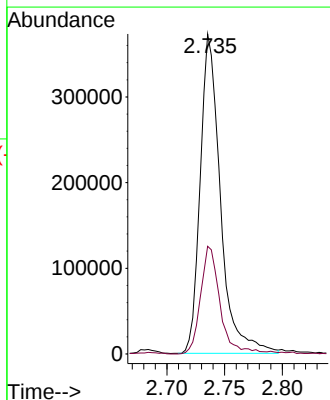
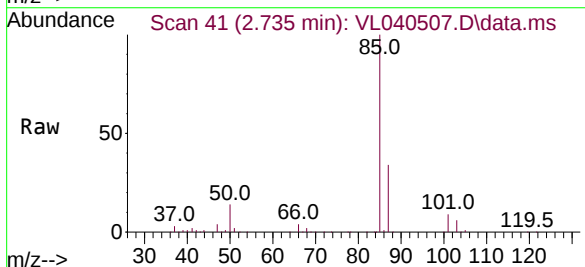
Manual Integrations
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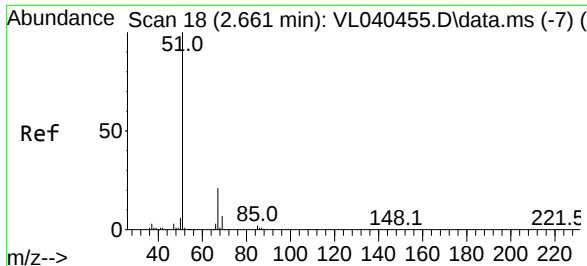
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#2
Dichlorodifluoromethane
Concen: 1.833 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

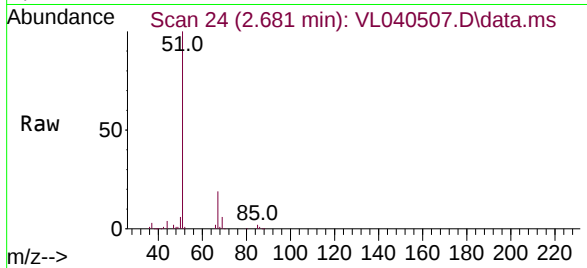
Tgt Ion: 85 Resp: 453460
Ion Ratio Lower Upper
85 100
87 33.7 26.6 39.8





#3
Chlorodifluoromethane
Concen: 1.998 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

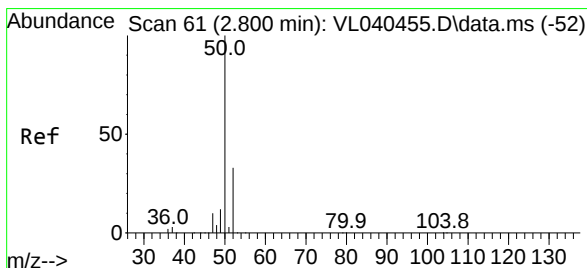
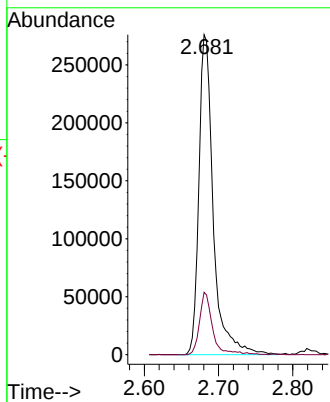
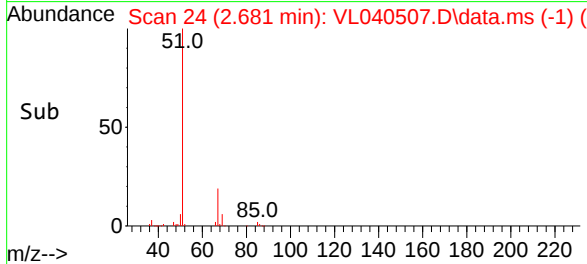
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 51 Resp: 372019
Ion Ratio Lower Upper
51 100
67 17.8 16.3 24.5

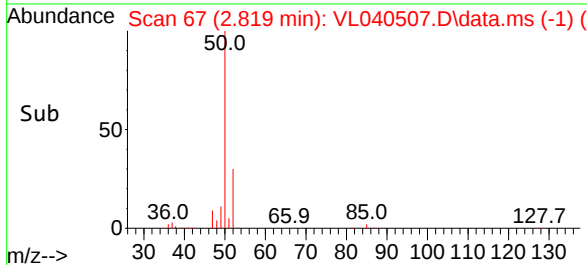
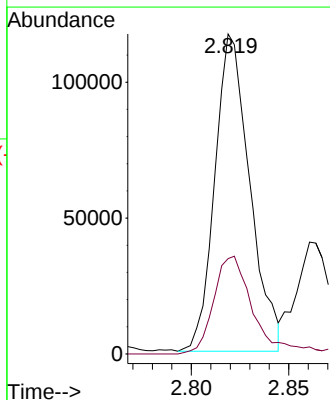
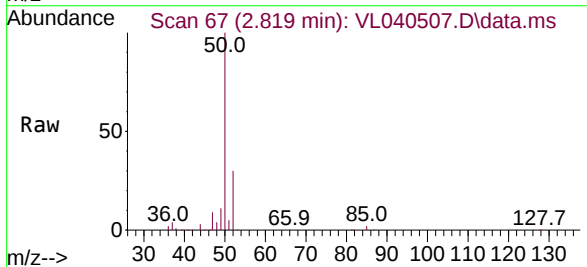
Manual Integrations
APPROVED

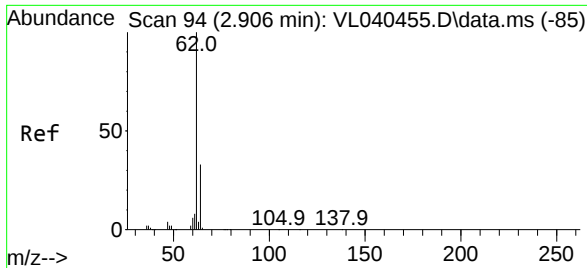
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#4
Chloromethane
Concen: 2.018 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 50 Resp: 145475
Ion Ratio Lower Upper
50 100
52 30.0 26.3 39.5





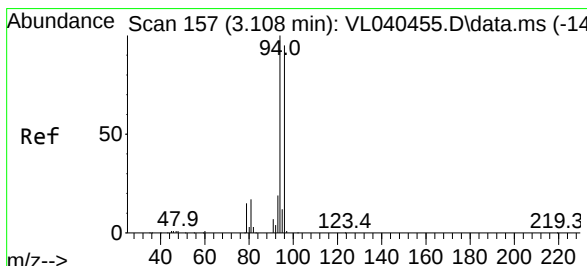
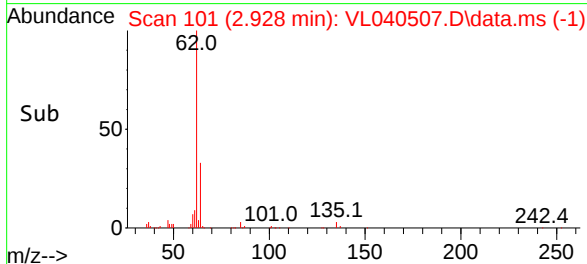
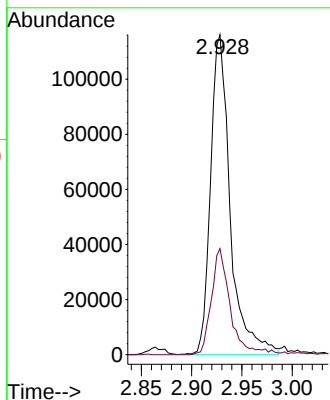
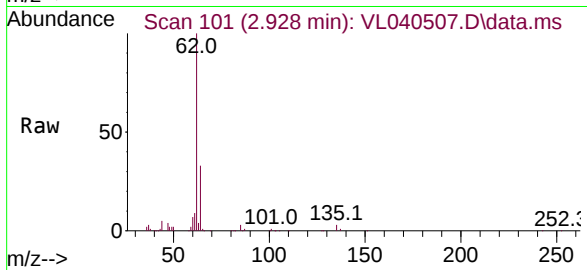
#5
 Vinyl Chloride
 Concen: 2.197 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.022 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 62 Resp: 15805
 Ion Ratio Lower Upper
 62 100
 64 33.1 26.8 40.2

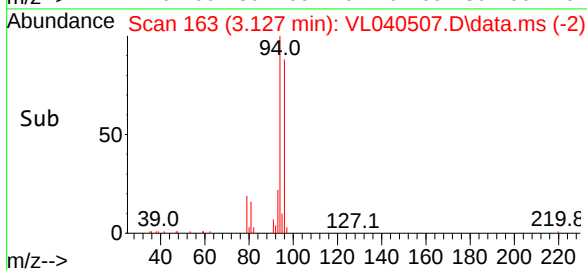
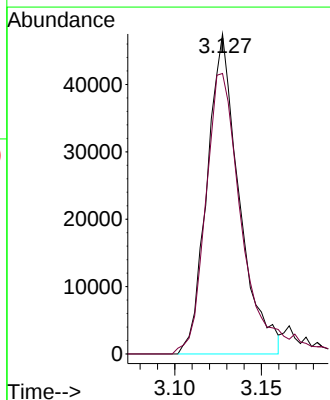
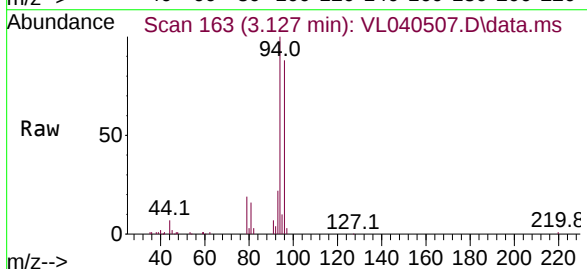
Manual Integrations
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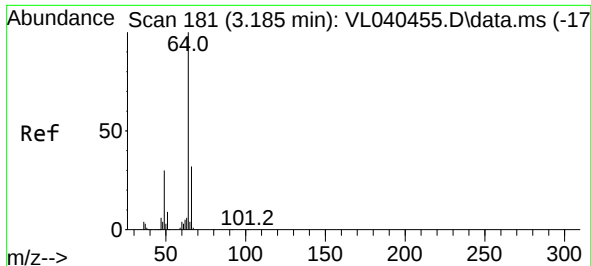
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#6
 Bromomethane
 Concen: 1.639 ppbv
 RT: 3.127 min Scan# 163
 Delta R.T. 0.019 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Tgt Ion: 94 Resp: 61045
 Ion Ratio Lower Upper
 94 100
 96 85.9 75.8 113.8





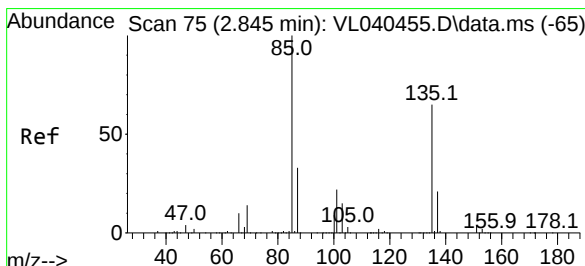
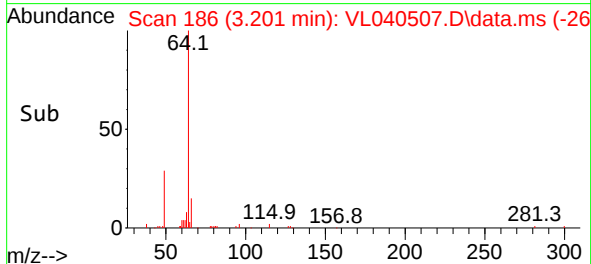
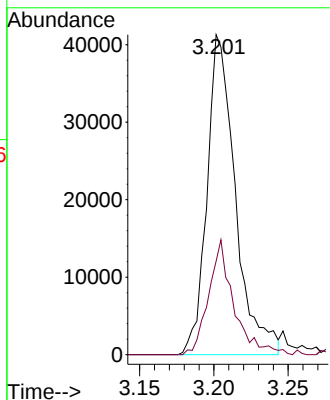
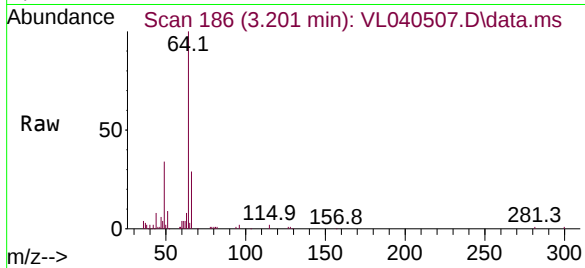
#7
Chloroethane
Concen: 2.045 ppbv
RT: 3.201 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 5494
Ion Ratio Lower Upper
64 100
66 29.2 25.6 38.4

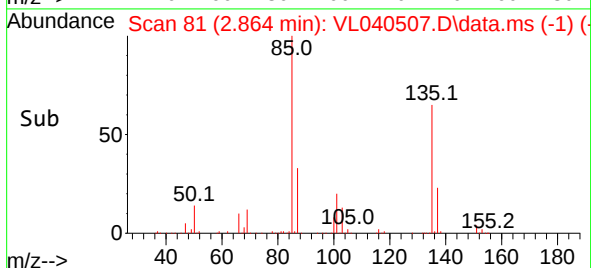
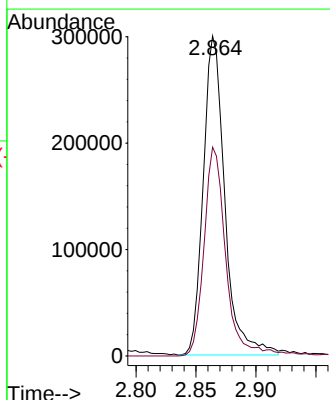
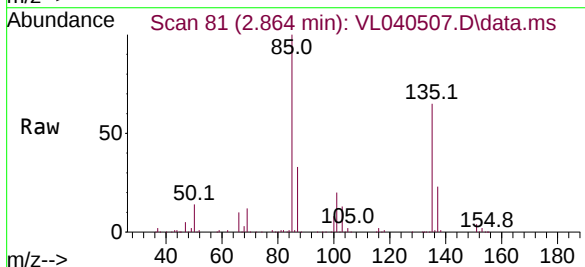
Manual Integrations
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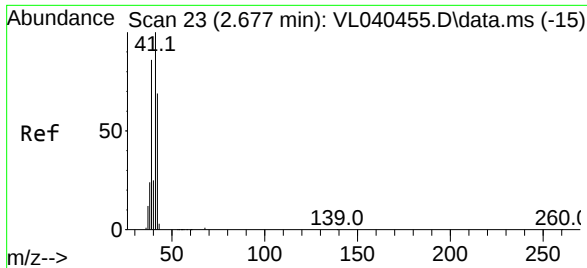
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#8
Dichlorotetrafluoroethane
Concen: 1.925 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 85 Resp: 376146
Ion Ratio Lower Upper
85 100
135 67.0 52.0 78.0





#9

Propene

Concen: 2.294 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.022 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 131710

Ion Ratio Lower Upper

41 100

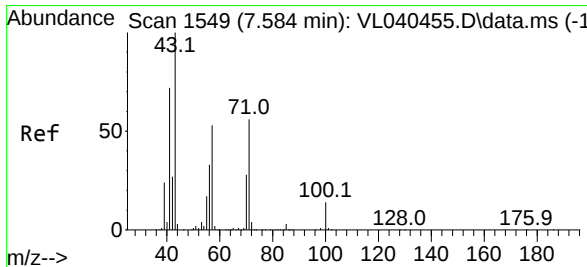
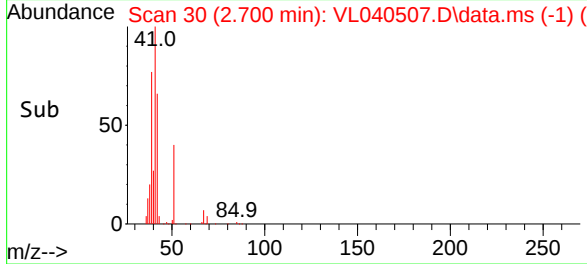
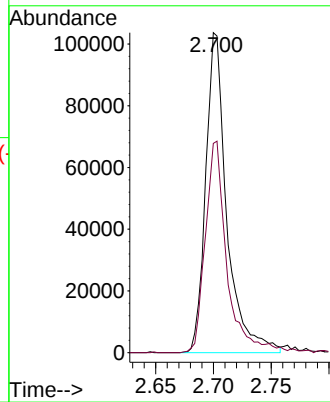
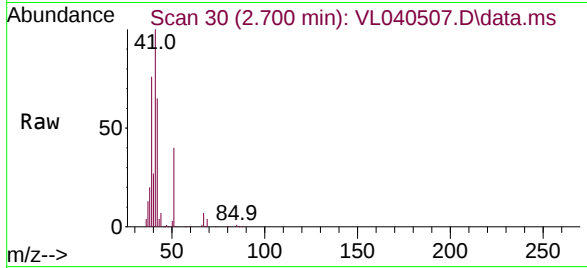
42 68.3 56.2 84.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#10

Heptane

Concen: 2.274 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. 0.006 min

Lab File: VL040507.D

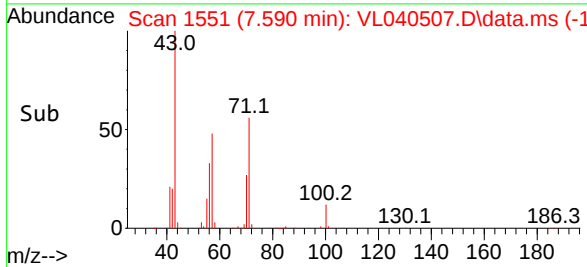
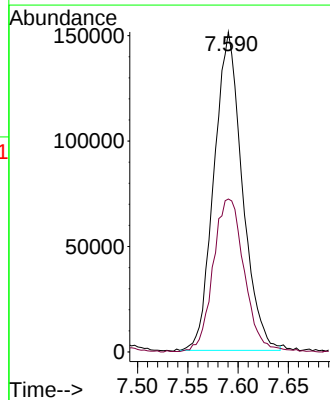
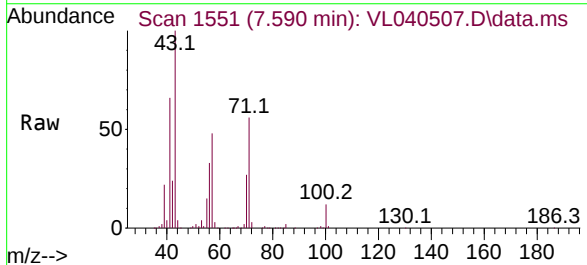
Acq: 10 Jul 2023 12:28

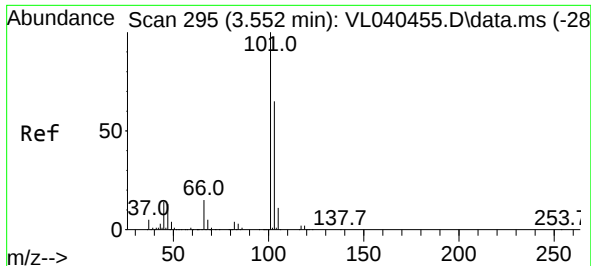
Tgt Ion: 43 Resp: 295621

Ion Ratio Lower Upper

43 100

57 53.2 42.5 63.7





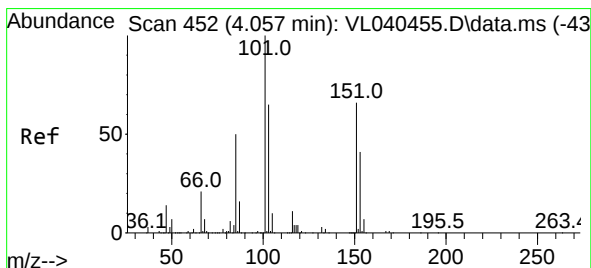
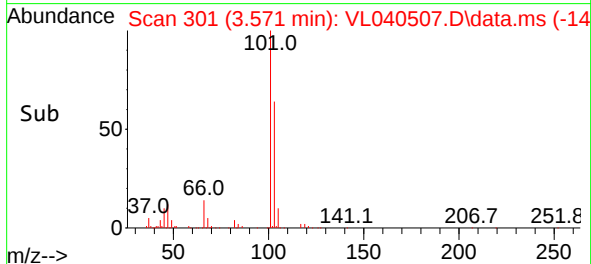
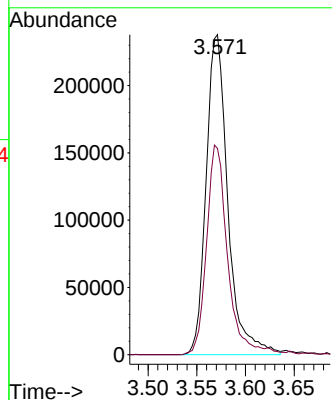
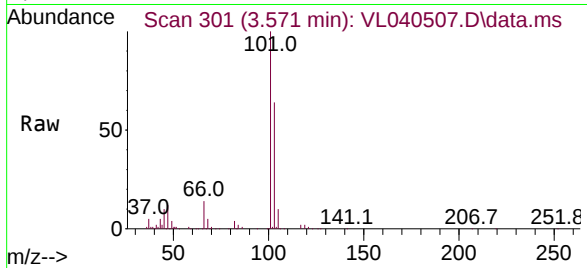
#11
Trichlorofluoromethane
Concen: 1.829 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 36857
Ion Ratio Lower Upper
101 100
103 64.5 51.7 77.5

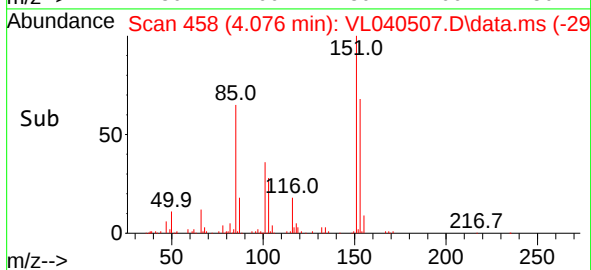
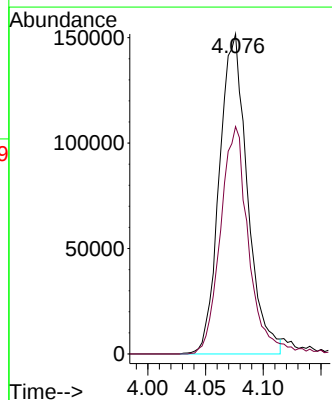
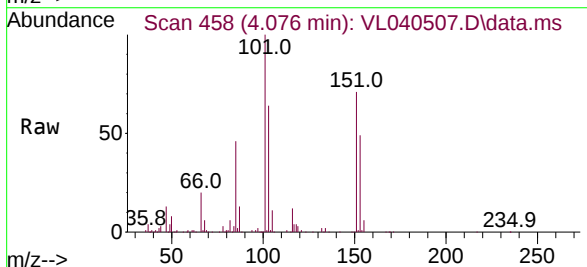
Manual Integrations
APPROVED

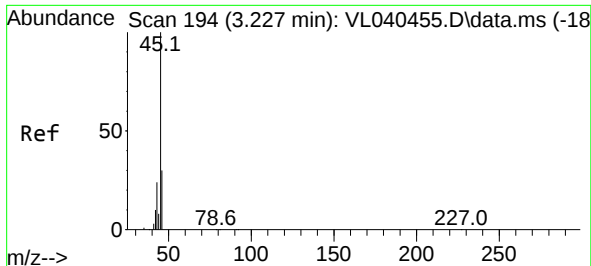
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.817 ppbv
RT: 4.076 min Scan# 458
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion:101 Resp: 255702
Ion Ratio Lower Upper
101 100
151 72.6 54.3 81.5





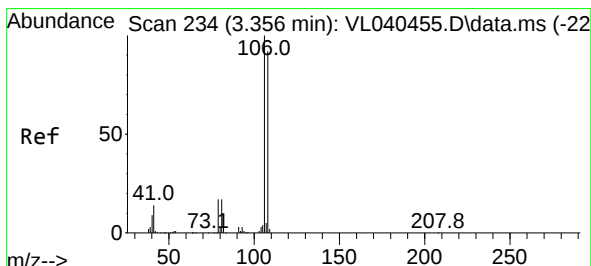
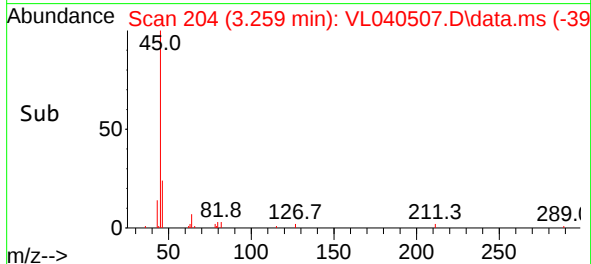
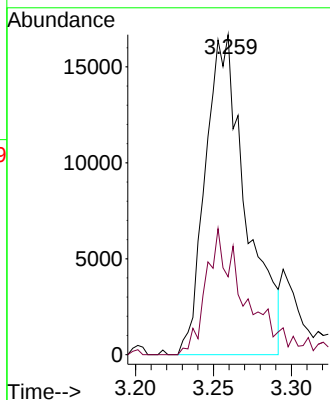
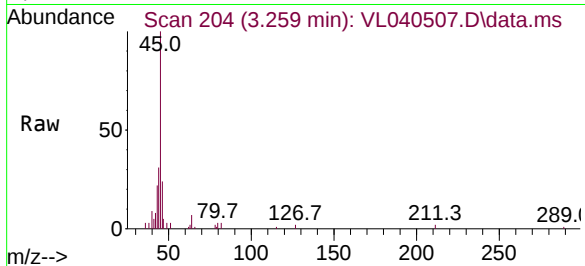
#13
Ethanol
Concen: 2.543 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.032 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 45 Resp: 30244
Ion Ratio Lower Upper
45 100
46 38.5 14.5 58.1

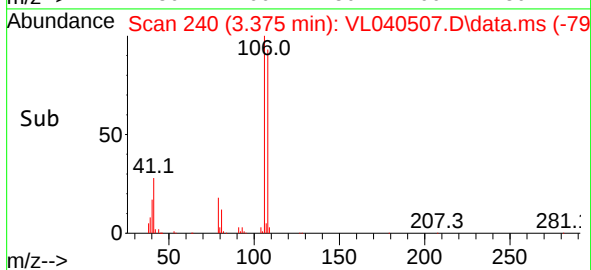
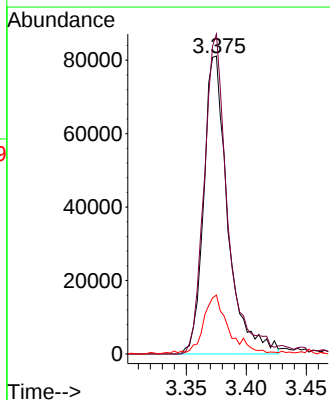
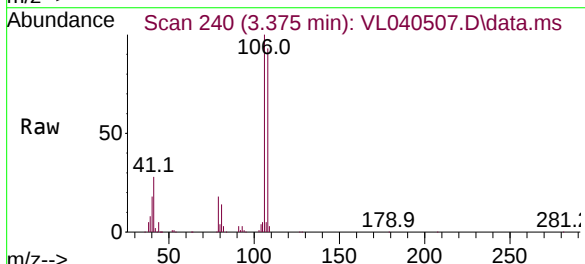
Manual Integrations
APPROVED

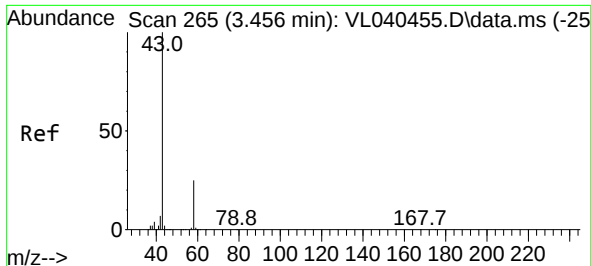
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#14
Bromoethene
Concen: 1.928 ppbv
RT: 3.375 min Scan# 240
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

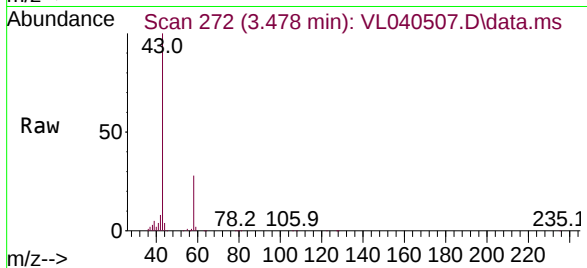
Tgt Ion:108 Resp: 113537
Ion Ratio Lower Upper
108 100
106 108.2 87.4 131.0
79 21.7 15.9 23.9





#15
Acetone
Concen: 1.910 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

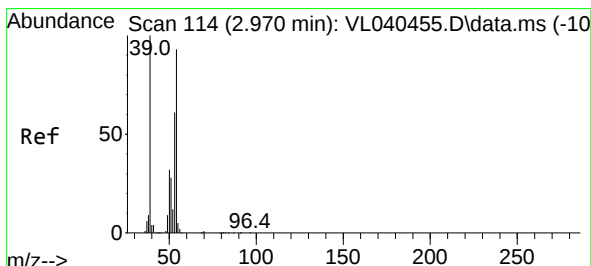
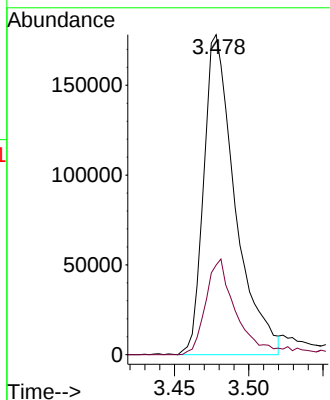
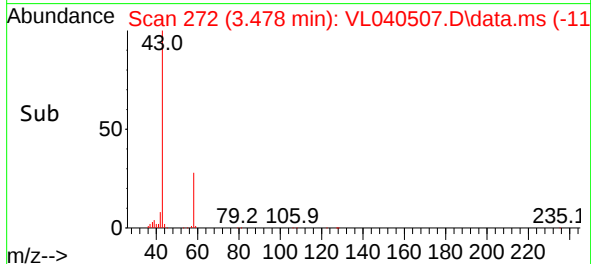
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



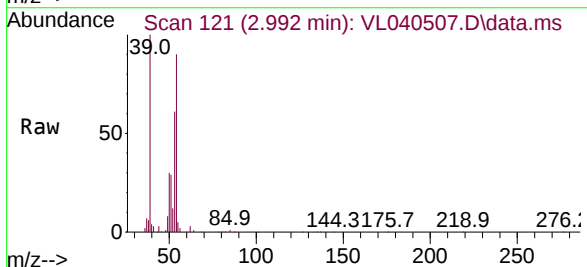
Tgt Ion: 43 Resp: 261910
Ion Ratio Lower Upper
43 100
58 30.6 21.6 32.4

Manual Integrations
APPROVED

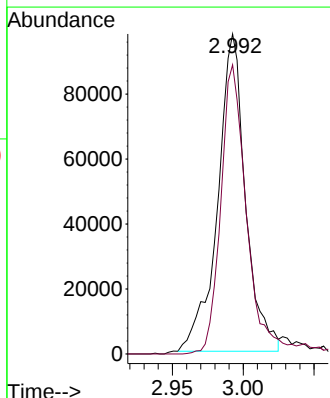
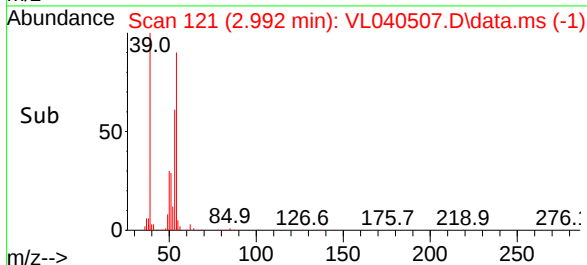
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

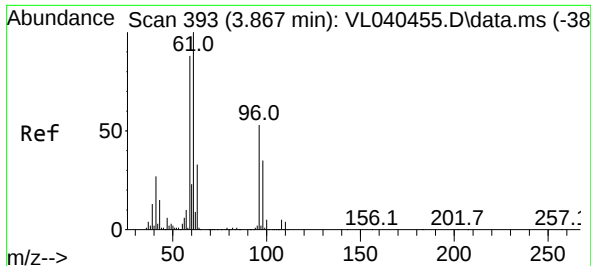


#16
1,3-Butadiene
Concen: 2.006 ppbv
RT: 2.992 min Scan# 121
Delta R.T. 0.022 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



Tgt Ion: 39 Resp: 133904
Ion Ratio Lower Upper
39 100
54 87.5 66.9 100.3





#17

tert-Butyl alcohol

Concen: 2.363 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.019 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 59 Resp: 266419

Ion Ratio Lower Upper

59 100

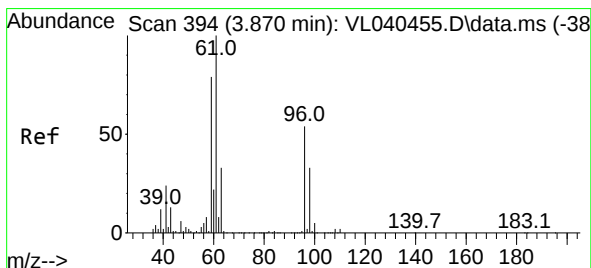
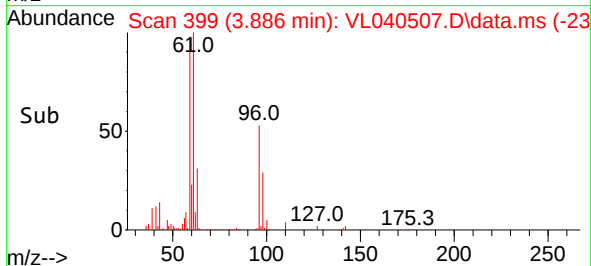
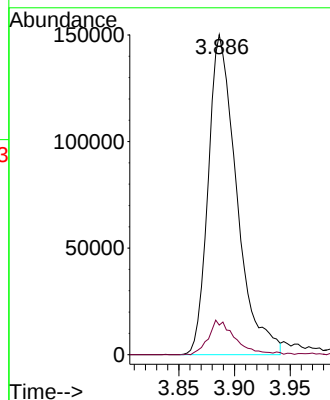
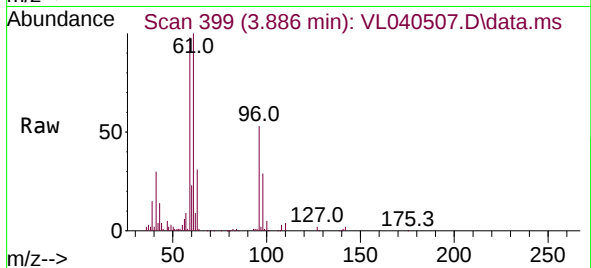
57 10.3 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#18

1,1-Dichloroethene

Concen: 1.887 ppbv m

RT: 3.886 min Scan# 399

Delta R.T. 0.016 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

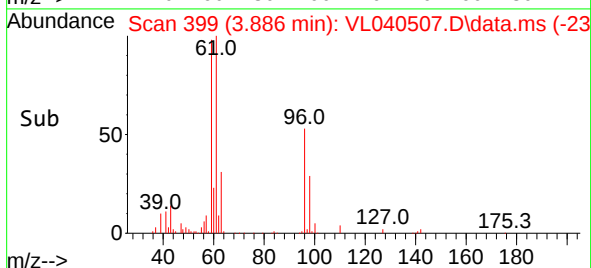
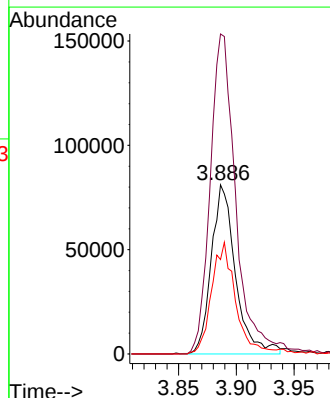
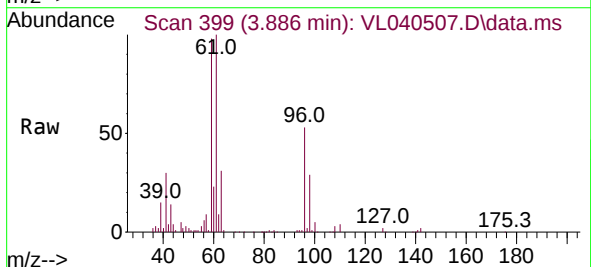
Tgt Ion: 96 Resp: 118383

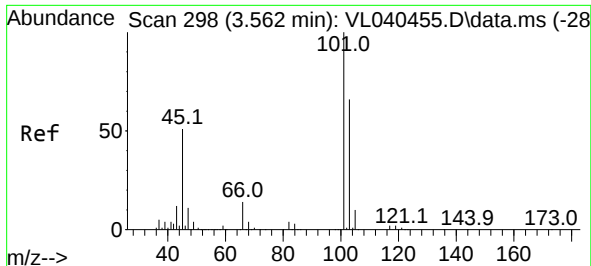
Ion Ratio Lower Upper

96 100

61 189.3 149.5 224.3

98 55.8 48.7 73.1





#19

Isopropyl Alcohol

Concen: 2.371 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.022 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 45 Resp: 15671

Ion Ratio Lower Upper

45 100

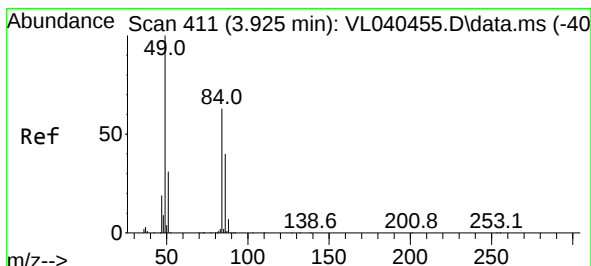
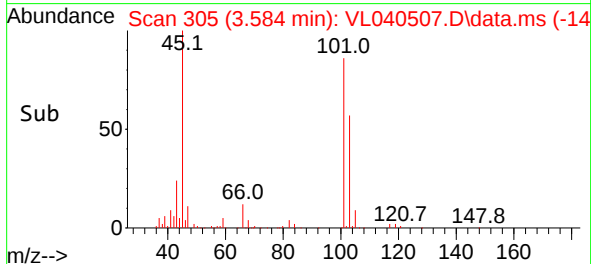
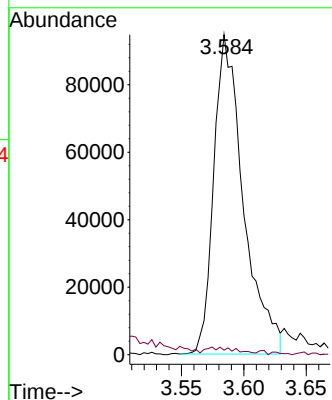
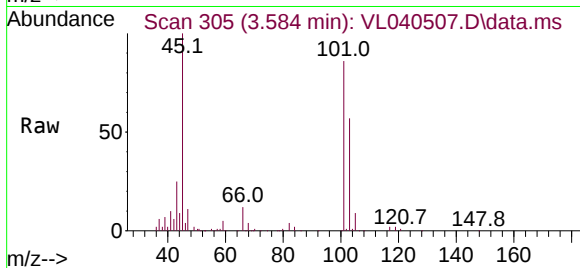
58 2.8 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#20

Methylene Chloride

Concen: 1.939 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.013 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion: 84 Resp: 113467

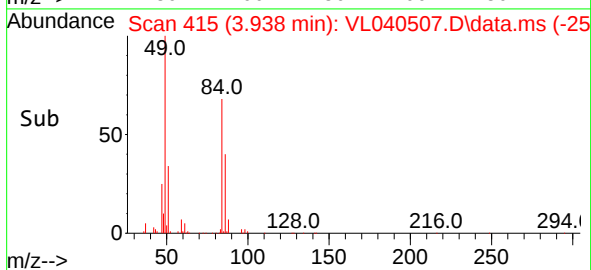
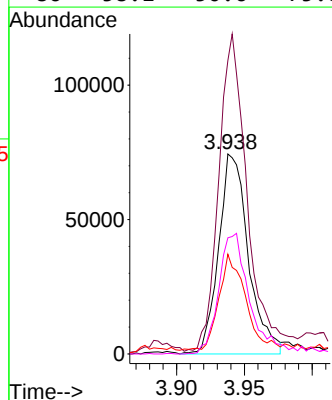
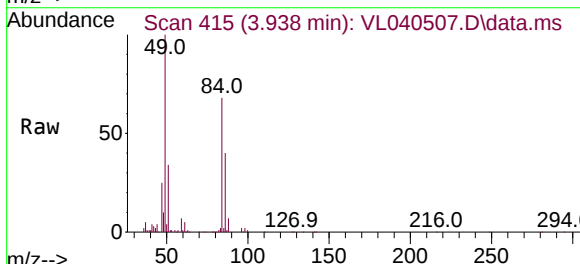
Ion Ratio Lower Upper

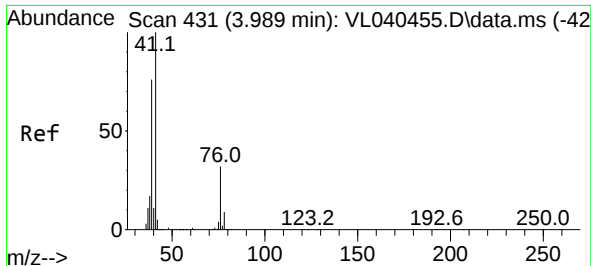
84 100

49 143.6 126.2 189.2

51 48.1 38.7 58.1

86 58.1 50.6 75.8





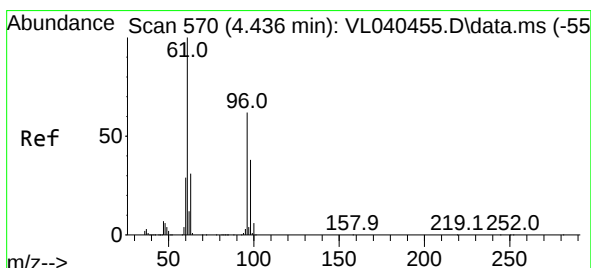
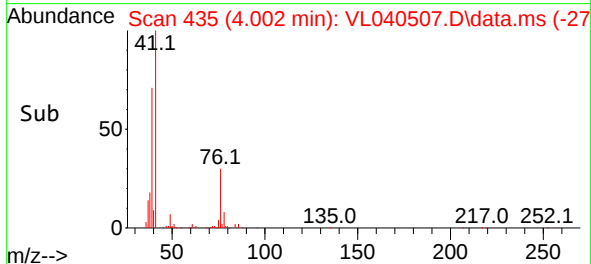
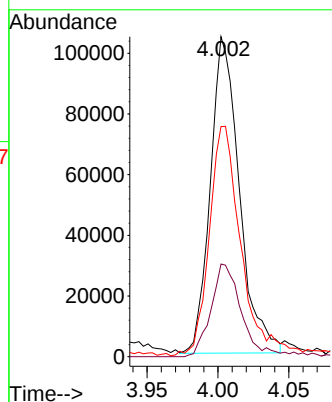
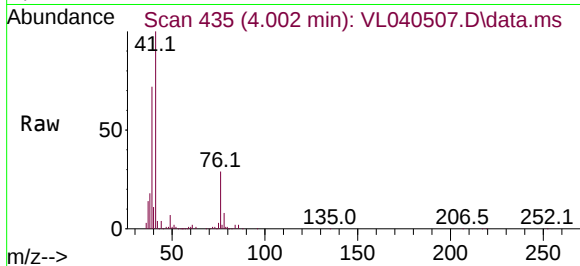
#21
 Allyl Chloride
 Concen: 1.921 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 14878
 Ion Ratio Lower Upper
 41 100
 76 31.4 26.1 39.1
 39 82.4 63.9 95.9

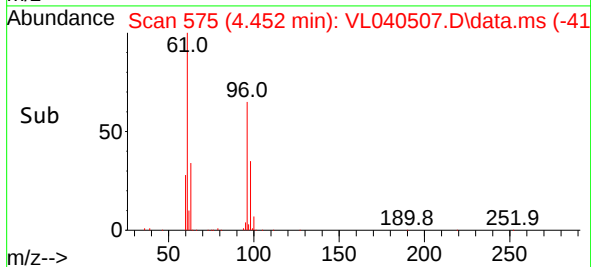
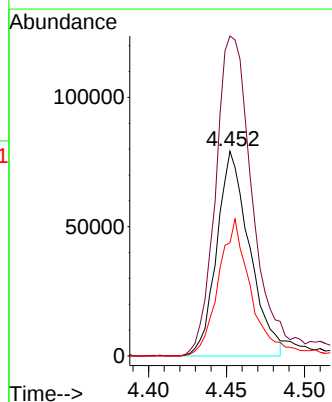
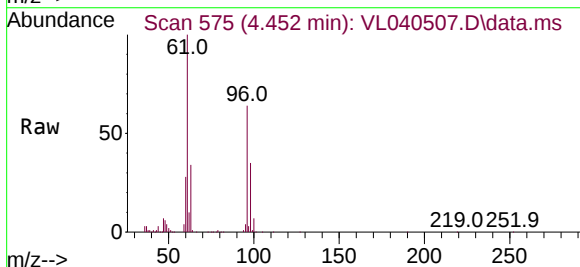
Manual Integrations
 APPROVED

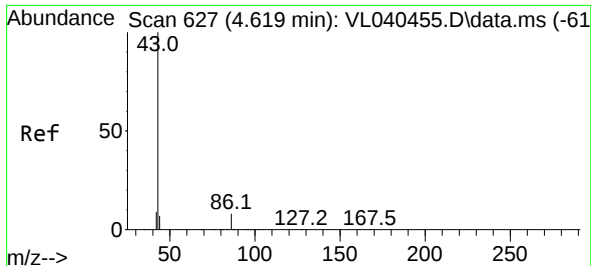
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#22
 trans-1,2-Dichloroethene
 Concen: 1.802 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.016 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Tgt Ion: 96 Resp: 115952
 Ion Ratio Lower Upper
 96 100
 61 156.3 128.1 192.1
 98 55.4 48.2 72.4





#23
 Vinyl Acetate
 Concen: 1.798 ppbv
 RT: 4.635 min Scan# 612
 Delta R.T. 0.016 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

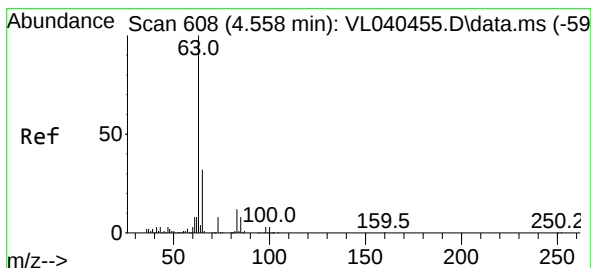
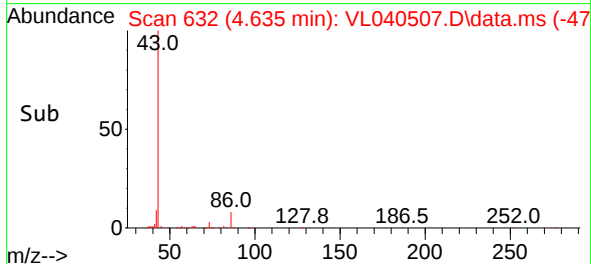
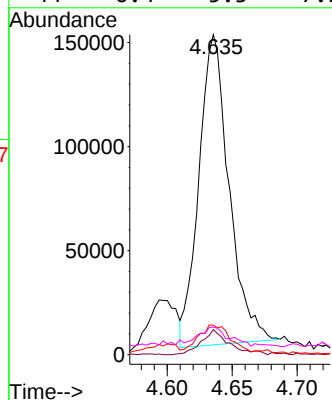
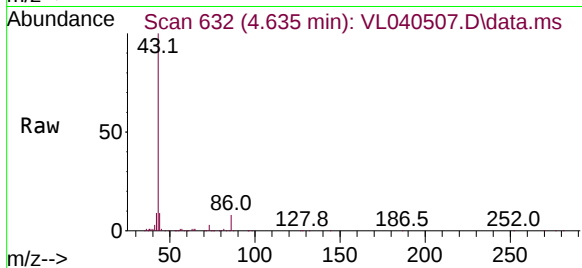
VSTDICC002

Tgt Ion: 43 Resp: 240830
 Ion Ratio Lower Upper
 43 100
 86 7.9 5.8 8.6
 42 8.8 7.4 11.2
 44 6.4 5.3 7.9

Manual Integrations

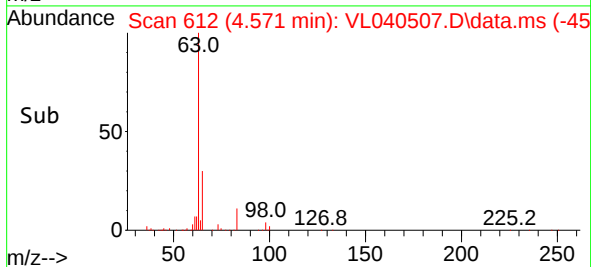
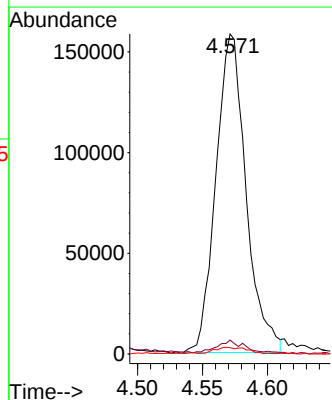
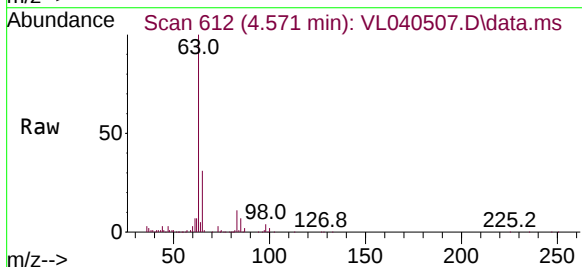
APPROVED

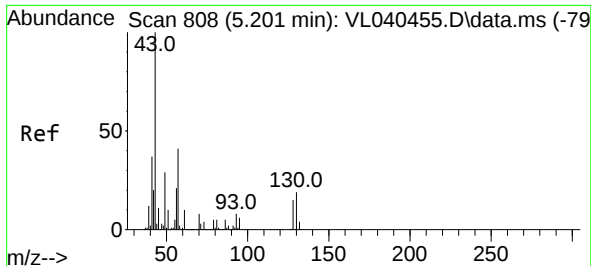
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#24
 1,1-Dichloroethane
 Concen: 1.897 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.013 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

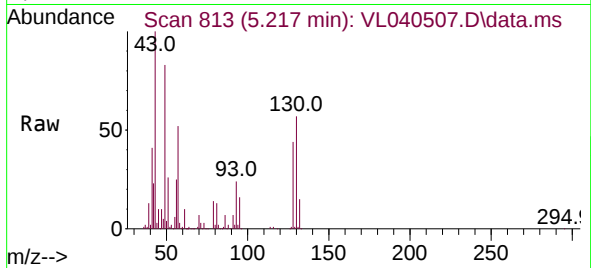
Tgt Ion: 63 Resp: 254851
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.8 5.5
 100 1.8 1.4 4.0





#25
Ethyl Acetate
Concen: 2.122 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.016 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

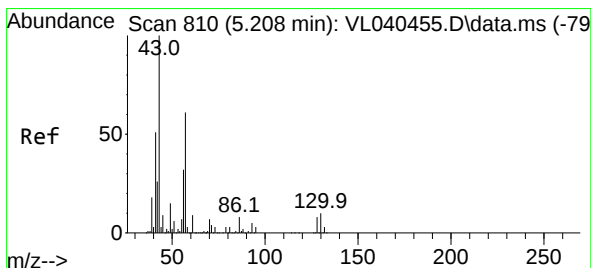
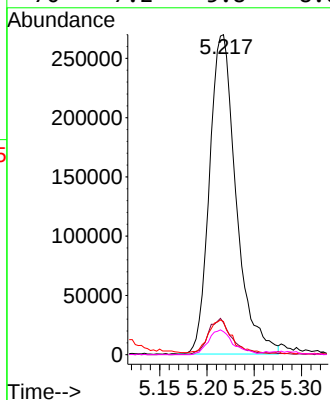
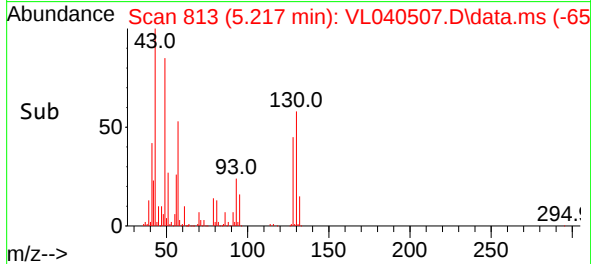
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 52722
Ion Ratio Lower Upper
43 100
45 10.7 8.0 12.0
61 10.5 8.1 12.1
70 7.2 5.8 8.6

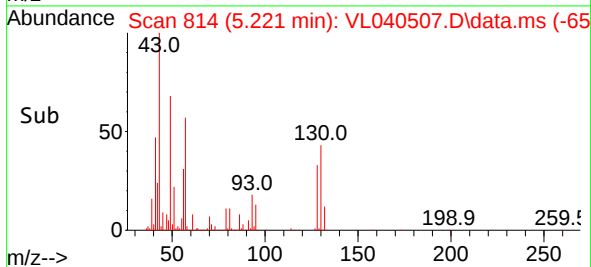
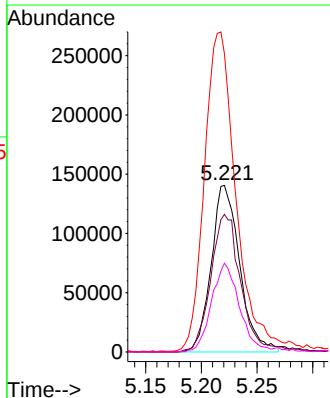
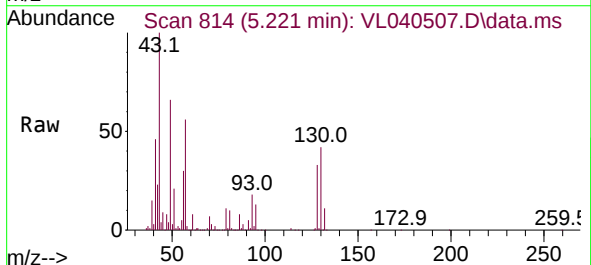
Manual Integrations
APPROVED

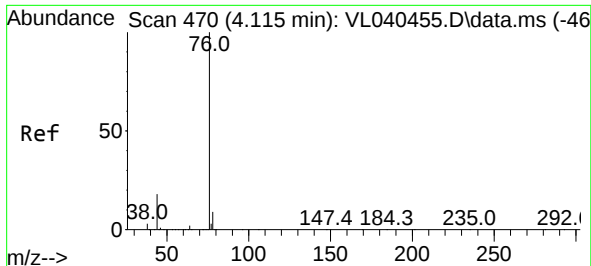
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#26
Hexane
Concen: 2.126 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

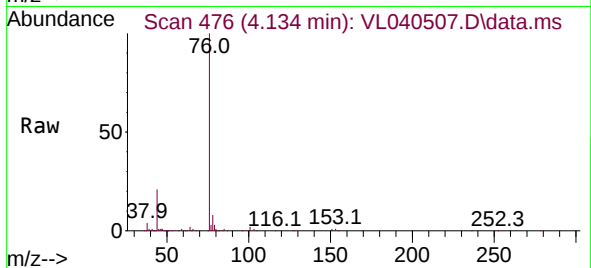
Tgt Ion: 57 Resp: 250116
Ion Ratio Lower Upper
57 100
41 88.1 73.0 109.6
43 218.1 177.5 266.3
56 53.8 43.6 65.4





#27
Carbon Disulfide
Concen: 1.844 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

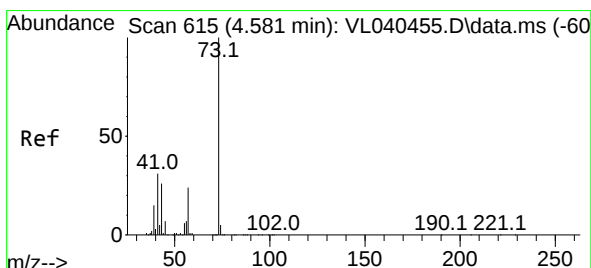
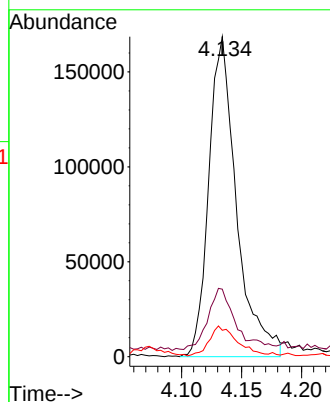
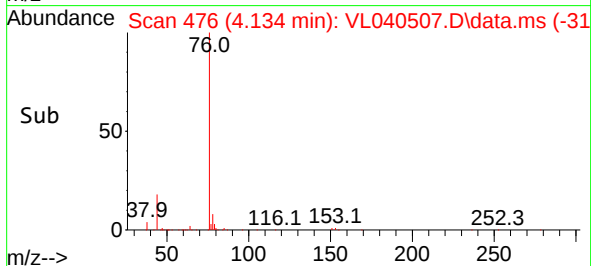
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002



Tgt Ion: 76 Resp: 271444
Ion Ratio Lower Upper
76 100
44 19.5 14.6 22.0
78 10.6 7.6 11.4

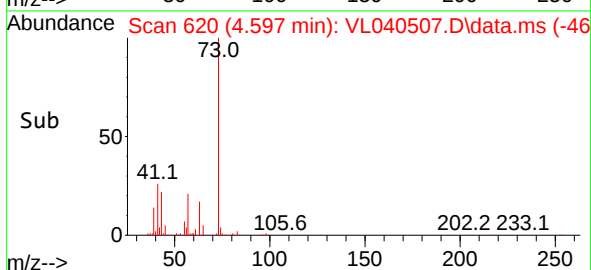
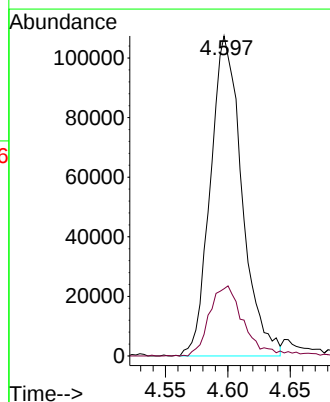
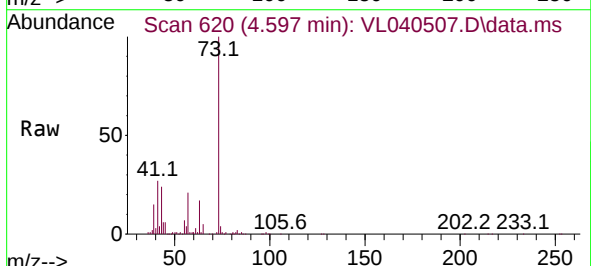
Manual Integrations
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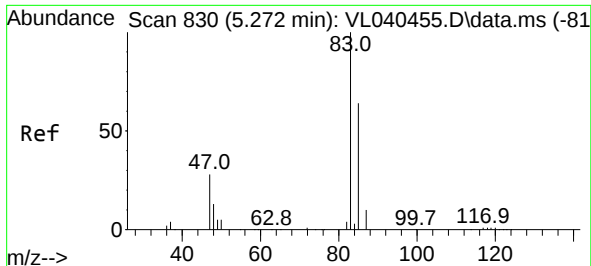
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#28
Methyl tert-Butyl Ether
Concen: 2.088 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.016 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 73 Resp: 189195
Ion Ratio Lower Upper
73 100
57 24.6 19.0 28.4





#29

Chloroform

Concen: 1.929 ppbv

RT: 5.282 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 38671

Ion Ratio Lower Upper

83 100

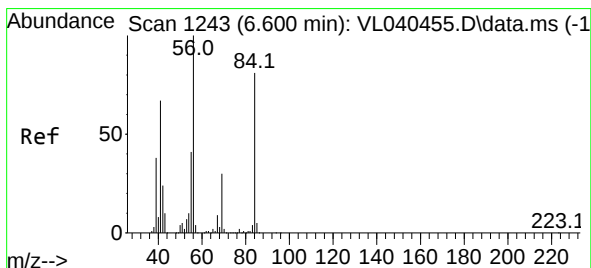
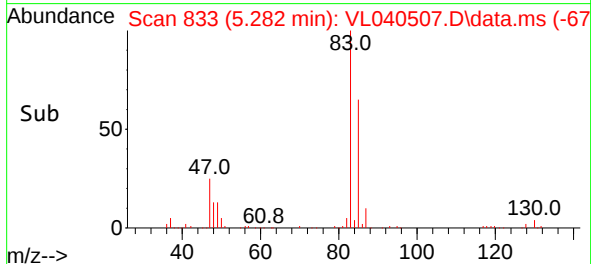
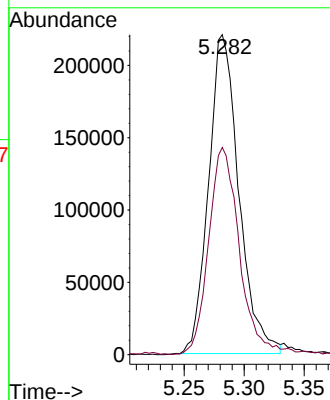
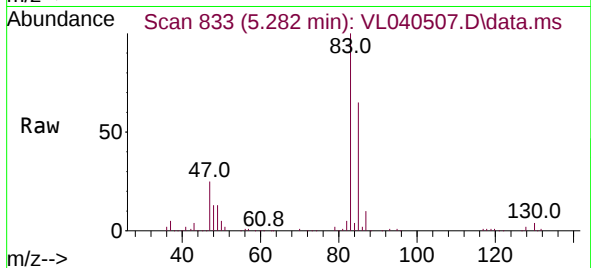
85 64.8 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#30

Cyclohexane

Concen: 2.199 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.010 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

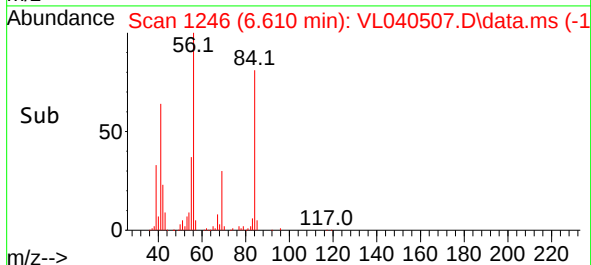
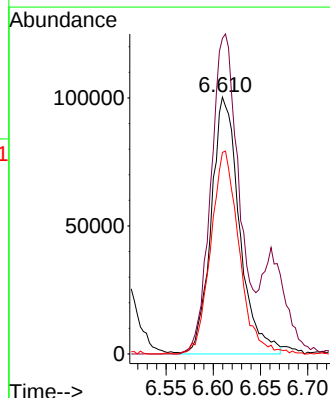
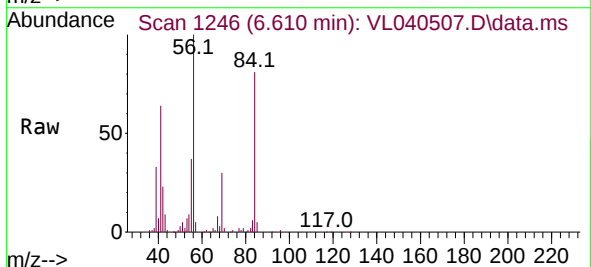
Tgt Ion: 84 Resp: 208520

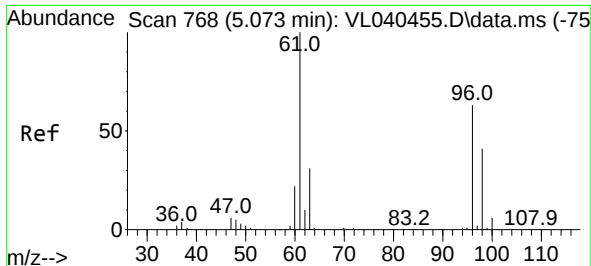
Ion Ratio Lower Upper

84 100

56 123.6 106.0 159.0

41 79.4 66.8 100.2





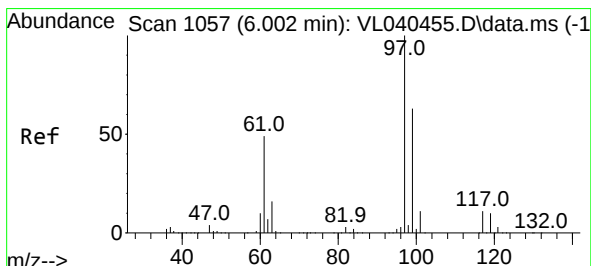
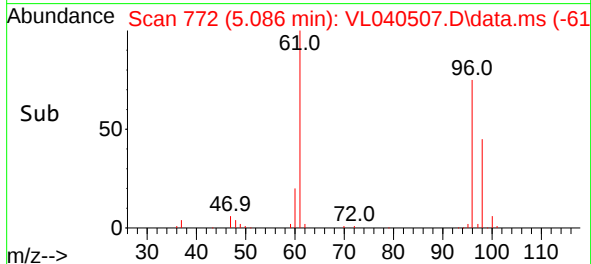
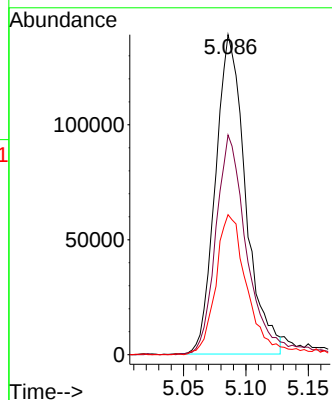
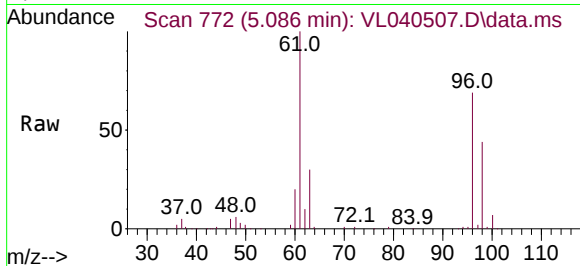
#31
 cis-1,2-Dichloroethene
 Concen: 2.076 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 233750
 Ion Ratio Lower Upper
 61 100
 96 68.4 50.2 75.4
 98 43.7 32.9 49.3

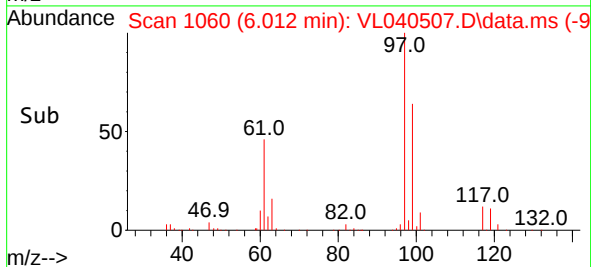
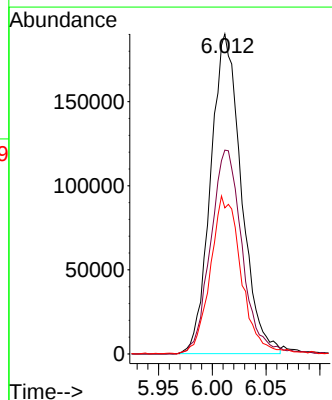
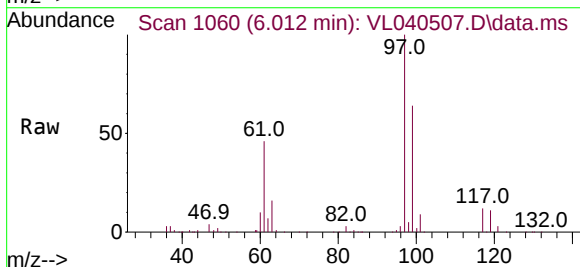
Manual Integrations
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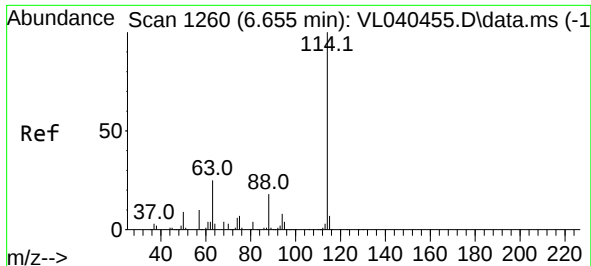
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023



#32
 1,1,1-Trichloroethane
 Concen: 1.905 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.010 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

Tgt Ion: 97 Resp: 376855
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.5 77.3
 61 50.3 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:114 Resp: 308055

Ion Ratio Lower Upper

114 100

63 24.3 21.0 31.6

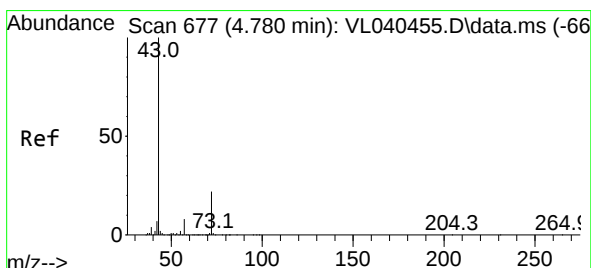
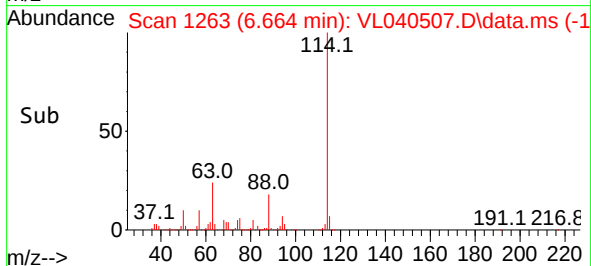
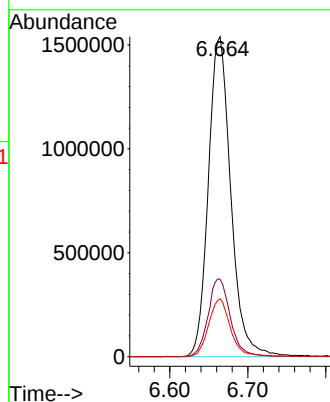
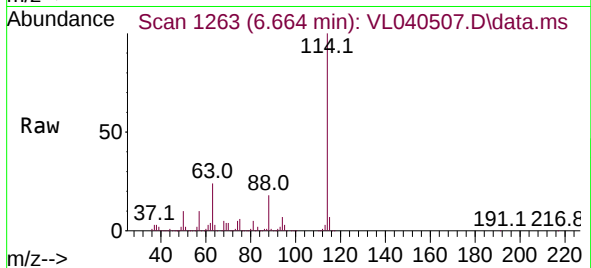
88 17.6 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#34

2-Butanone

Concen: 2.181 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040507.D

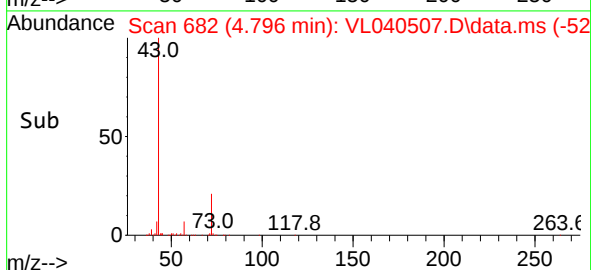
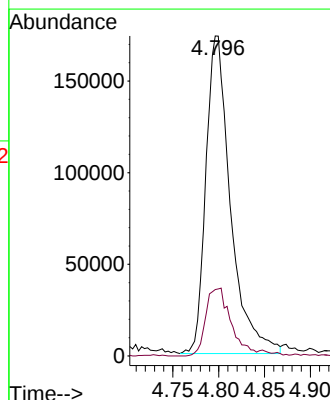
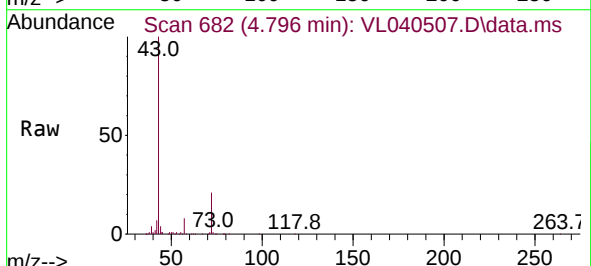
Acq: 10 Jul 2023 12:28

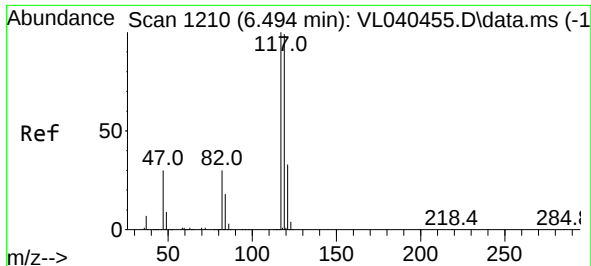
Tgt Ion: 43 Resp: 324041

Ion Ratio Lower Upper

43 100

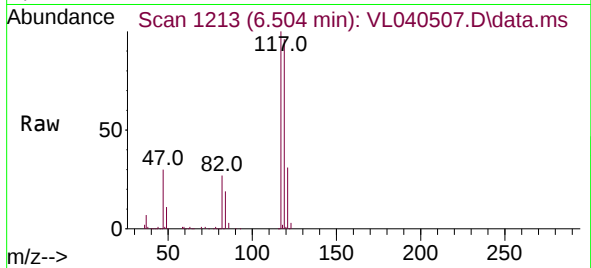
72 23.4 18.1 27.1





#35
Carbon Tetrachloride
Concen: 1.806 ppbv
RT: 6.504 min Scan# 1174
Delta R.T. 0.010 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

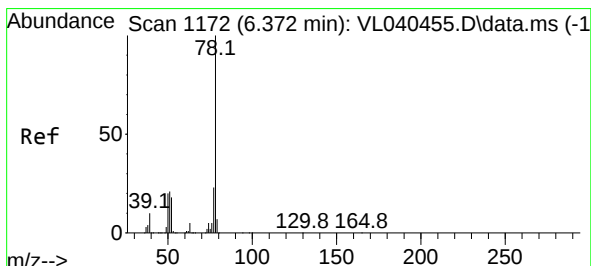
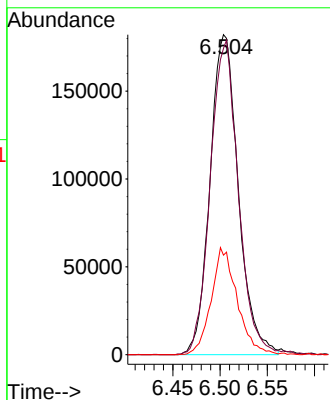
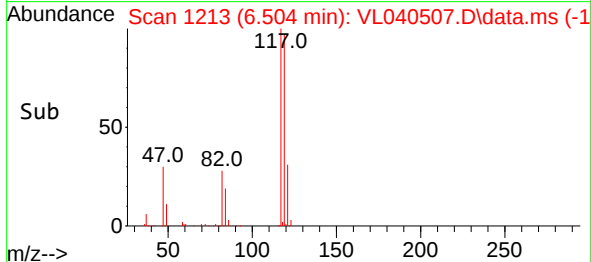
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 117 Resp: 379135
Ion Ratio Lower Upper
117 100
119 95.4 79.1 118.7
121 31.1 26.0 39.0

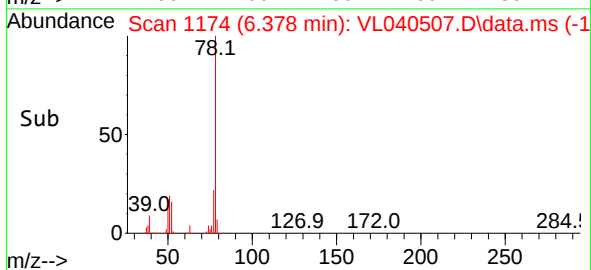
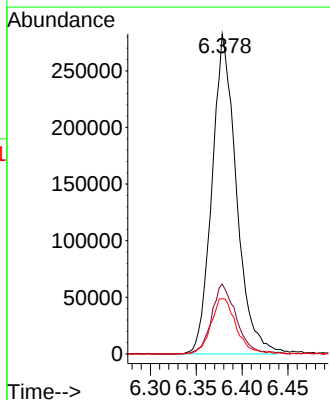
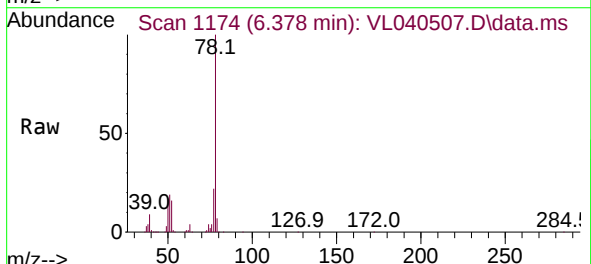
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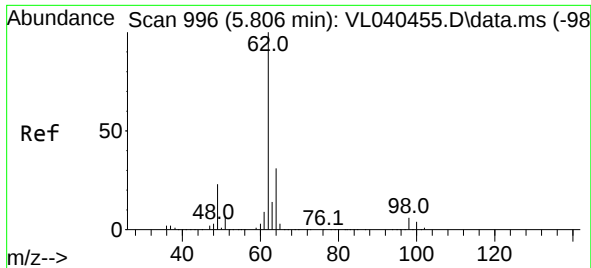
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#36
Benzene
Concen: 2.131 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

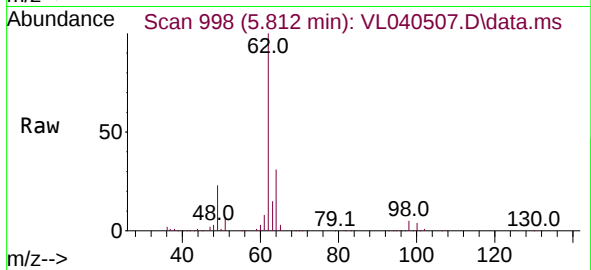
Tgt Ion: 78 Resp: 522059
Ion Ratio Lower Upper
78 100
77 21.8 18.5 27.7
50 17.3 16.1 24.1





#37
1,2-Dichloroethane
Concen: 1.848 ppbv
RT: 5.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

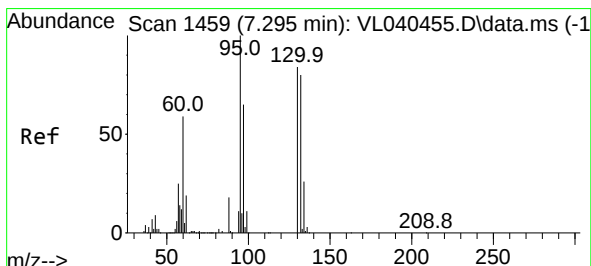
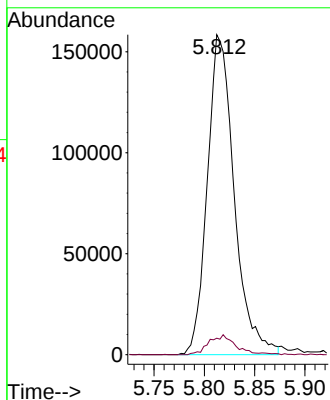
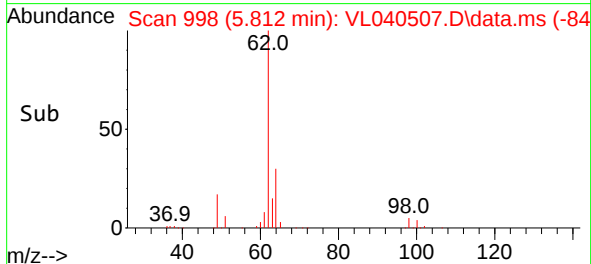
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 62 Resp: 295090
Ion Ratio Lower Upper
62 100
98 6.4 4.6 6.8

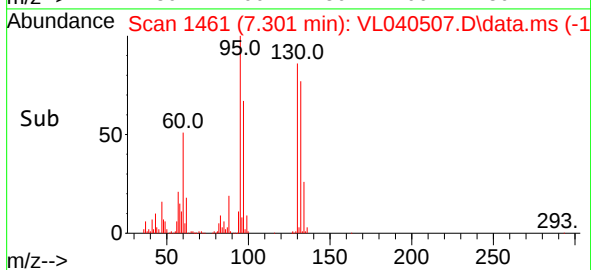
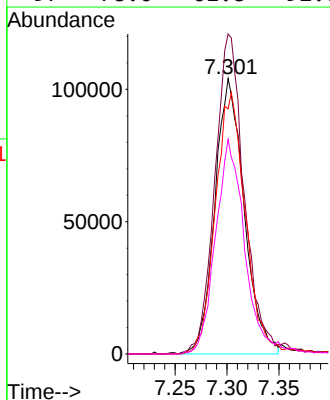
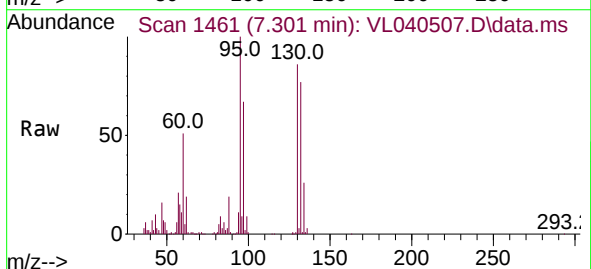
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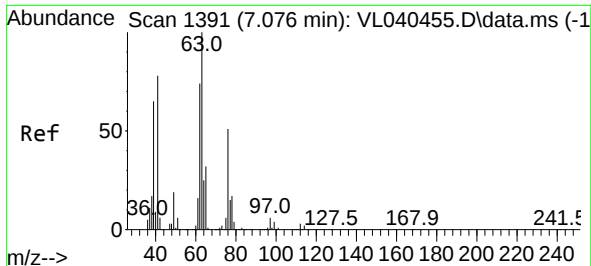
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#38
Trichloroethene
Concen: 2.197 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion:130 Resp: 203969
Ion Ratio Lower Upper
130 100
95 116.2 95.4 143.0
132 88.8 76.3 114.5
97 78.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 2.040 ppbv

RT: 7.082 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 63 Resp: 192692

Ion Ratio Lower Upper

63 100

41 70.6 62.2 93.2

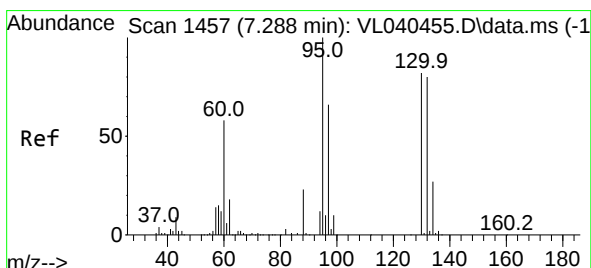
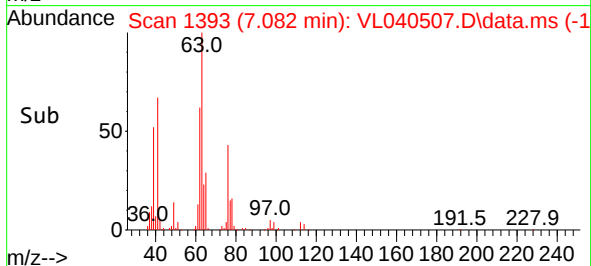
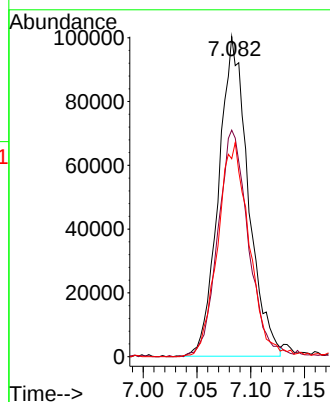
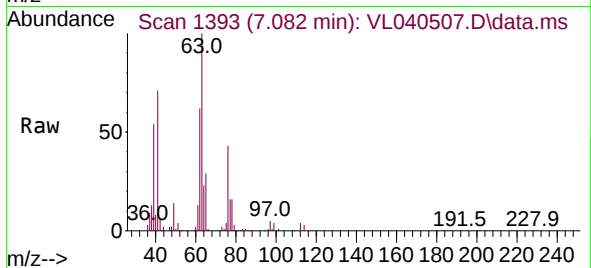
62 61.9 59.0 88.4

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: 2.431 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.022 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion: 88 Resp: 65045

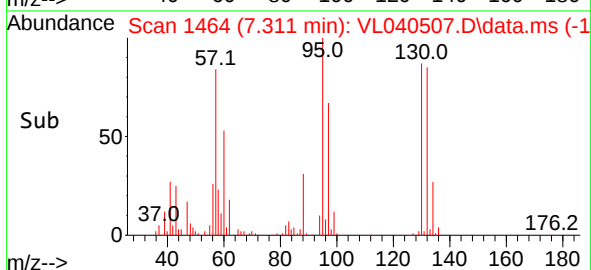
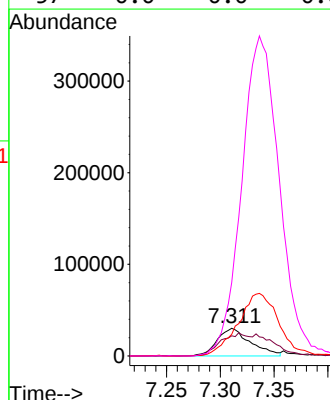
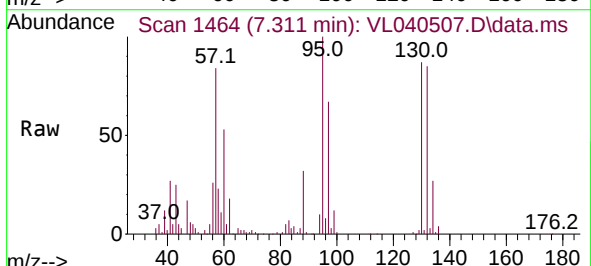
Ion Ratio Lower Upper

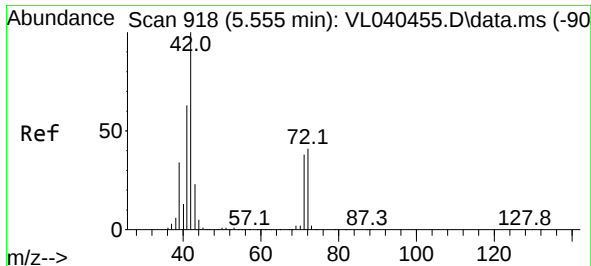
88 100

58 125.7 0.0 0.0#

43 0.0 0.0 0.0

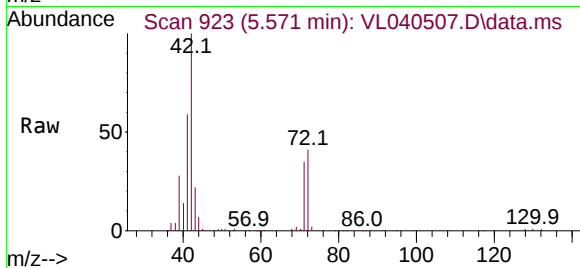
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 2.303 ppbv
RT: 5.571 min Scan# 918
Delta R.T. 0.016 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

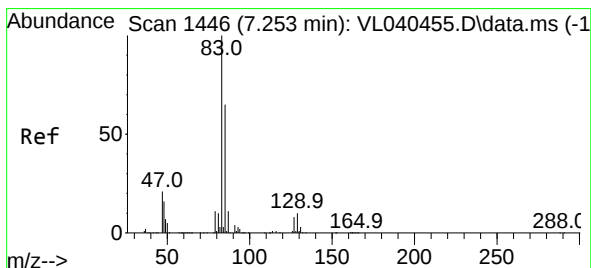
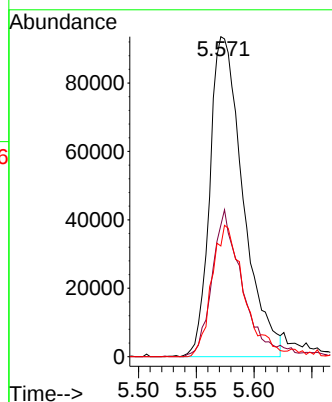
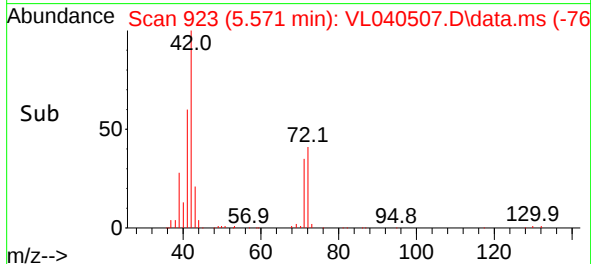
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



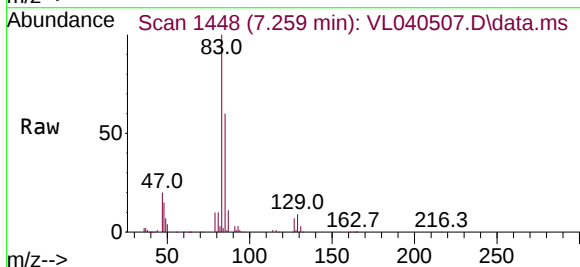
Tgt Ion: 42 Resp: 18696
Ion Ratio Lower Upper
42 100
72 43.1 33.8 50.8
71 41.2 32.3 48.5

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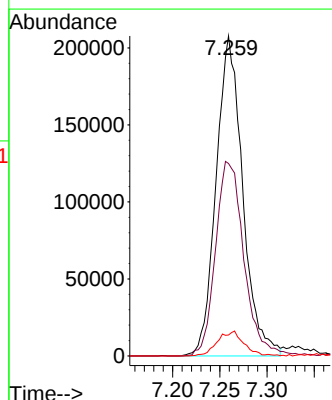
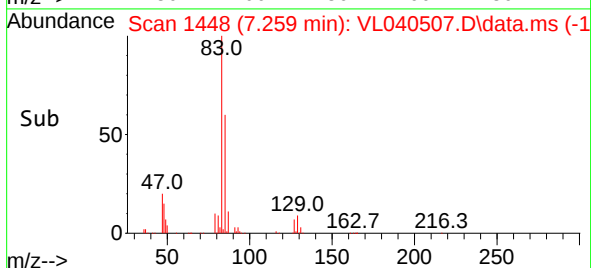
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

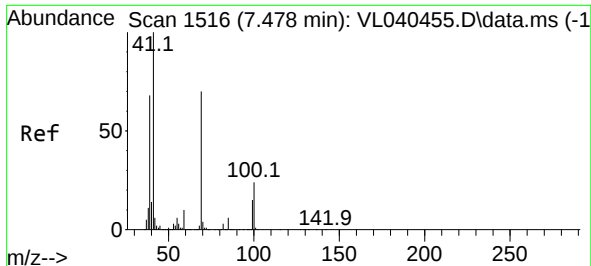


#42
Bromodichloromethane
Concen: 1.848 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



Tgt Ion: 83 Resp: 406227
Ion Ratio Lower Upper
83 100
85 60.1 51.8 77.6
127 6.6 6.1 9.1





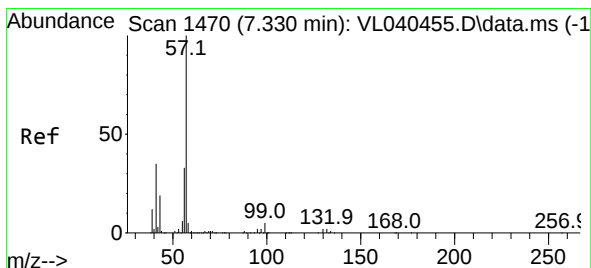
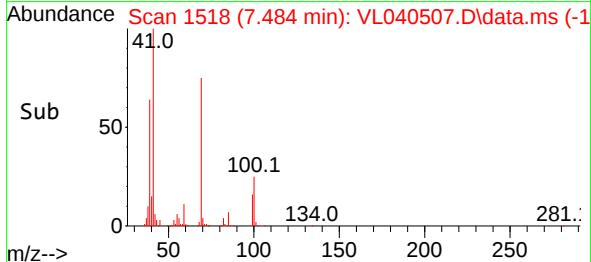
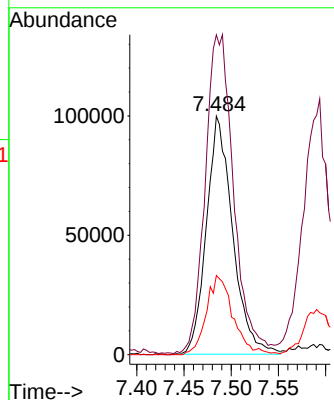
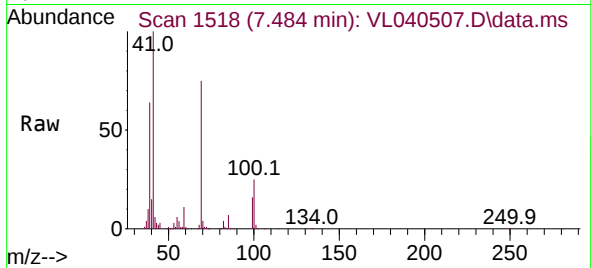
#43
Methyl Methacrylate
Concen: 2.188 ppbv
RT: 7.484 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 69 Resp: 19259
Ion Ratio Lower Upper
69 100
41 145.2 114.3 171.5
100 33.8 25.4 38.2

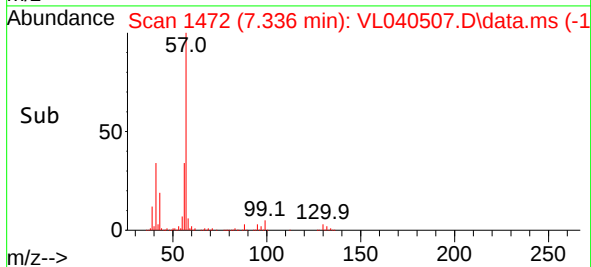
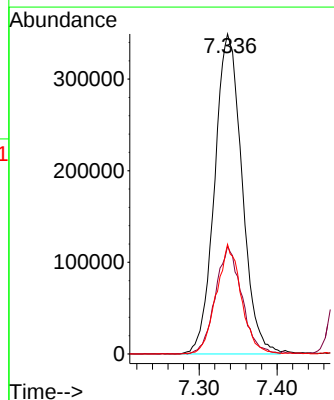
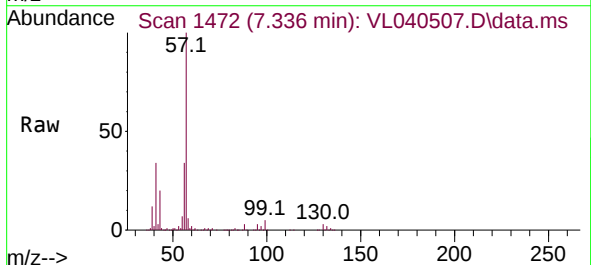
Manual Integrations
APPROVED

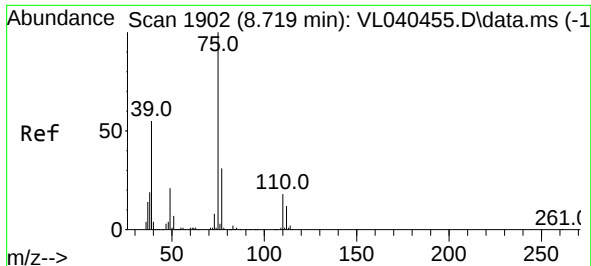
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#44
2,2,4-Trimethylpentane
Concen: 2.129 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 57 Resp: 852680
Ion Ratio Lower Upper
57 100
41 32.6 27.8 41.8
56 31.3 25.3 37.9





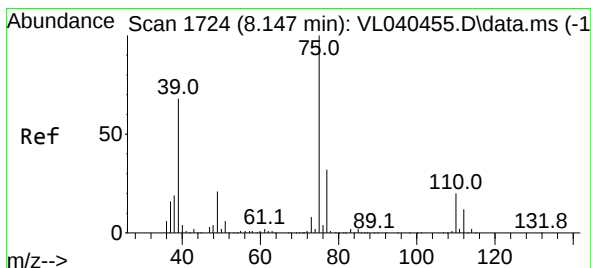
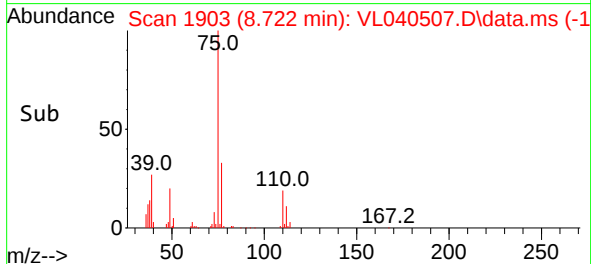
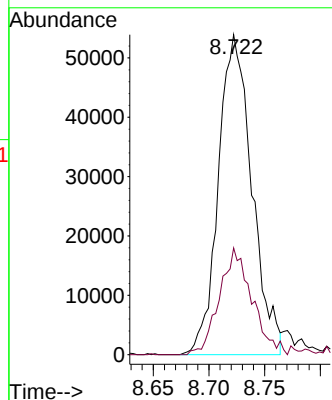
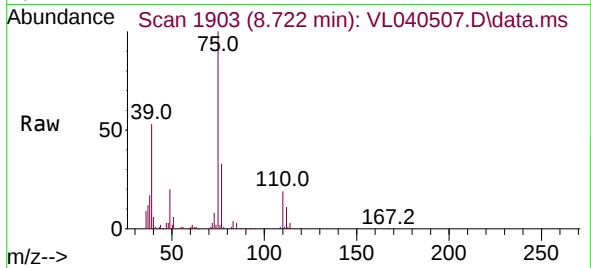
#45
t-1,3-Dichloropropene
Concen: 1.737 ppbv
RT: 8.722 min Scan# 1902
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 75 Resp: 112872
Ion Ratio Lower Upper
75 100
77 33.4 25.0 37.4

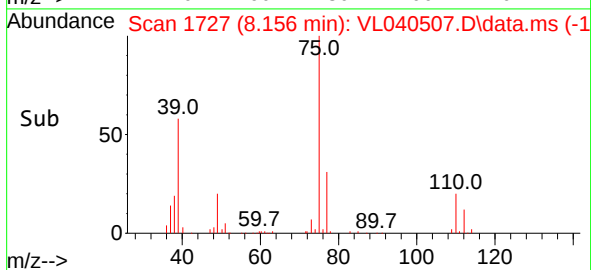
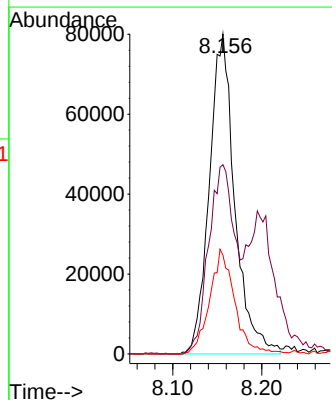
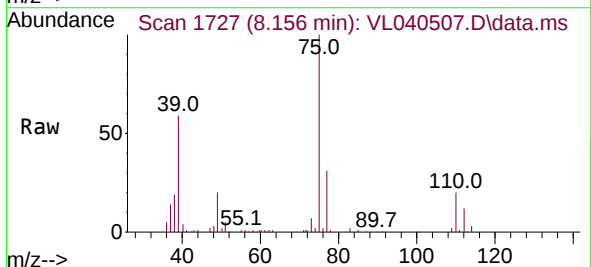
Manual Integrations
APPROVED

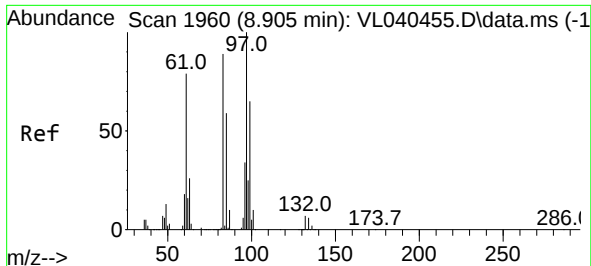
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#46
cis-1,3-Dichloropropene
Concen: 2.006 ppbv
RT: 8.156 min Scan# 1727
Delta R.T. 0.010 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 75 Resp: 158920
Ion Ratio Lower Upper
75 100
39 59.1 54.2 81.4
77 30.9 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 2.091 ppbv

RT: 8.909 min Scan# 1960

Delta R.T. 0.003 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 21711

Ion Ratio Lower Upper

97 100

83 89.9 71.4 107.2

85 60.8 47.2 70.8

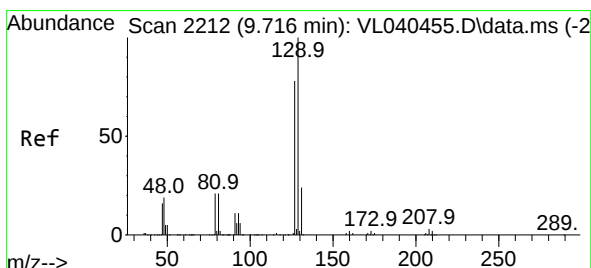
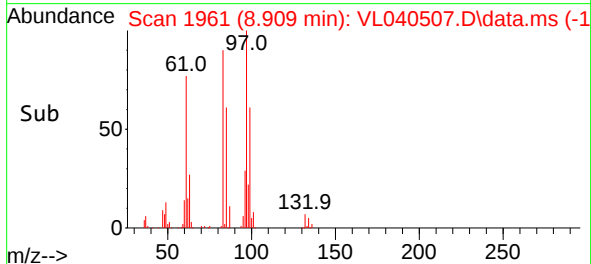
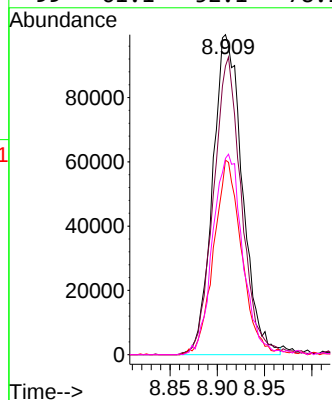
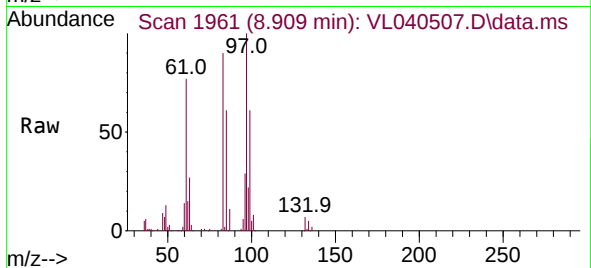
99 61.1 52.1 78.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#48

Dibromochloromethane

Concen: 1.963 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. 0.006 min

Lab File: VL040507.D

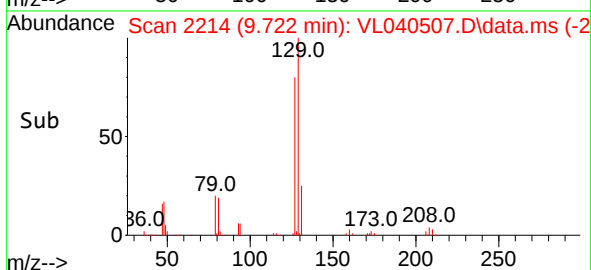
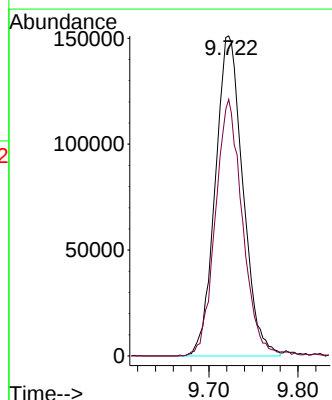
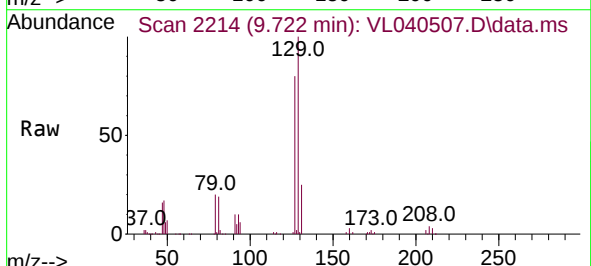
Acq: 10 Jul 2023 12:28

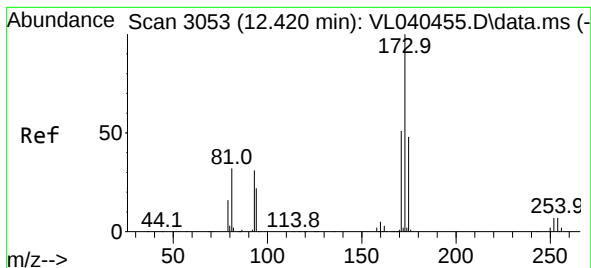
Tgt Ion:129 Resp: 325840

Ion Ratio Lower Upper

129 100

127 79.2 39.4 118.1





#49

Bromoform

Concen: 2.044 ppbv

RT: 12.423 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

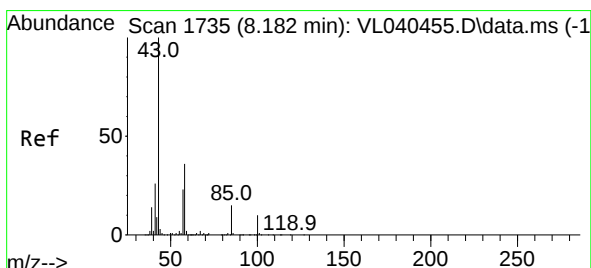
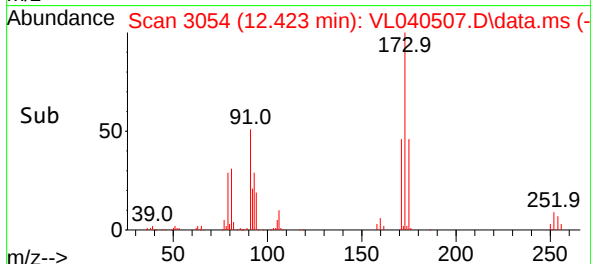
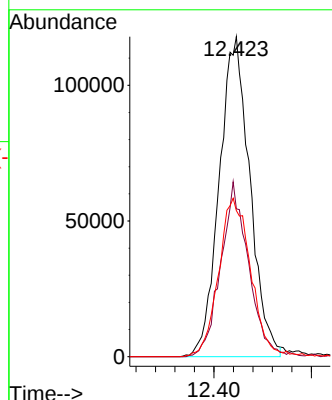
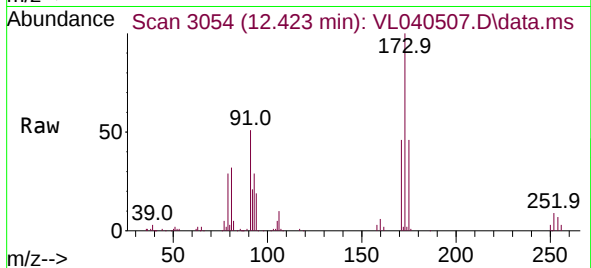
Tgt Ion:173 Resp: 25663

Ion	Ratio	Lower	Upper
173	100		
175	50.0	39.2	58.8
171	52.3	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: 2.312 ppbv

RT: 8.198 min Scan# 1740

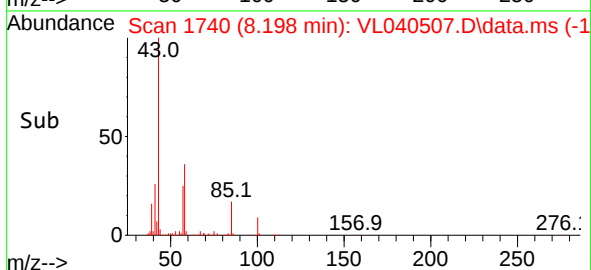
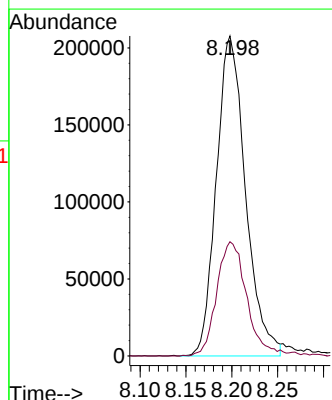
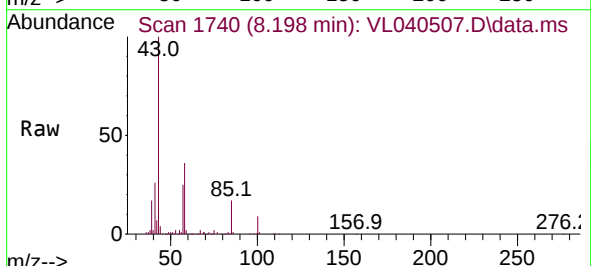
Delta R.T. 0.016 min

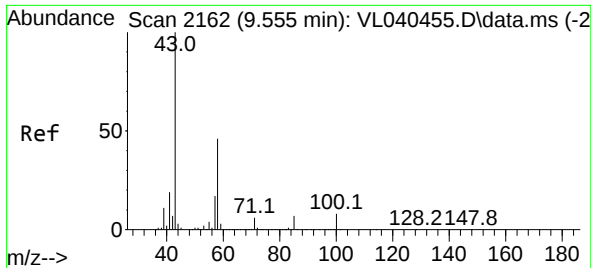
Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion: 43 Resp: 460058

Ion	Ratio	Lower	Upper
43	100		
58	37.4	28.2	42.4





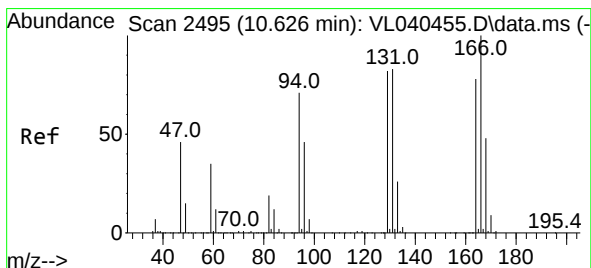
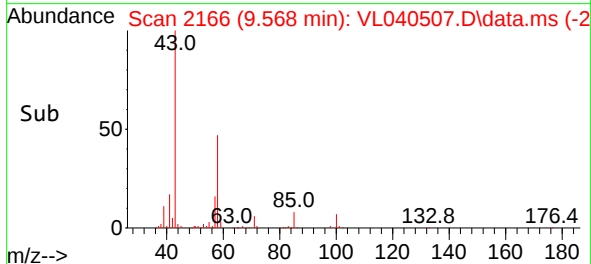
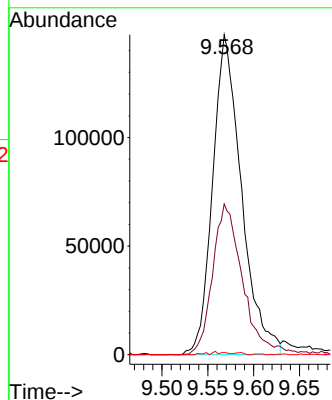
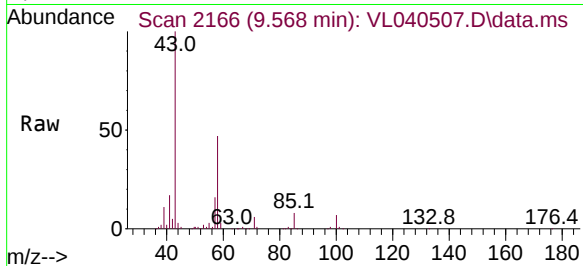
#51
2-Hexanone
Concen: 2.326 ppbv
RT: 9.568 min Scan# 2162
Delta R.T. 0.013 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 321210
Ion Ratio Lower Upper
43 100
58 49.9 37.1 55.7
98 0.8 0.5 0.7

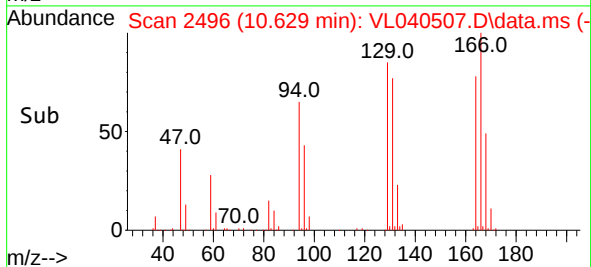
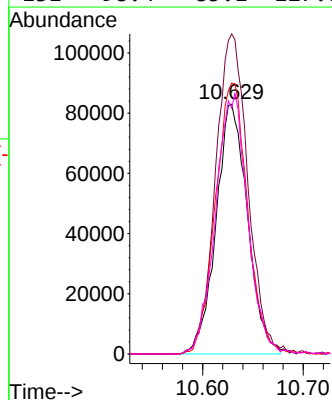
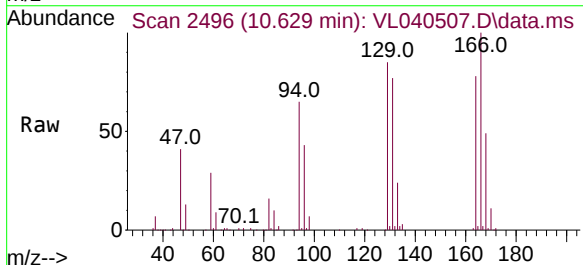
Manual Integrations
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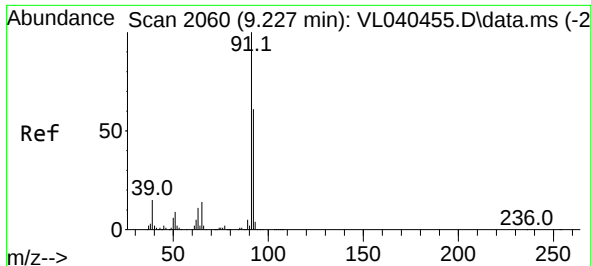
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#52
Tetrachloroethene
Concen: 2.342 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion:164 Resp: 180180
Ion Ratio Lower Upper
164 100
166 128.1 102.7 154.1
129 108.4 84.6 126.8
131 98.4 85.1 127.7





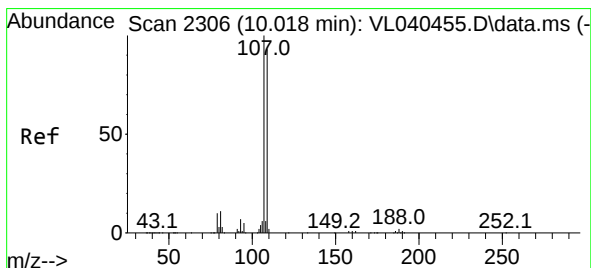
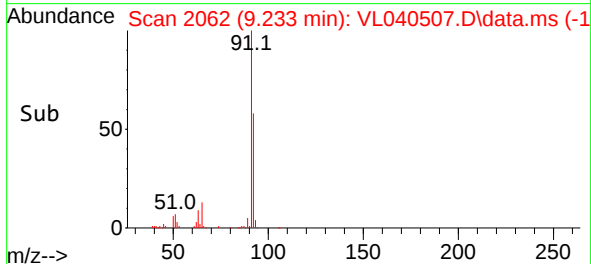
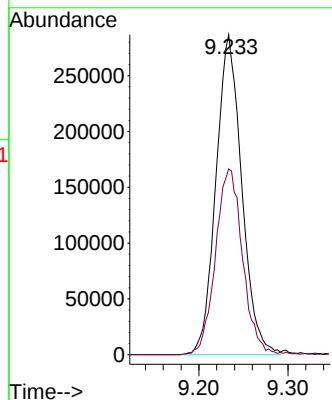
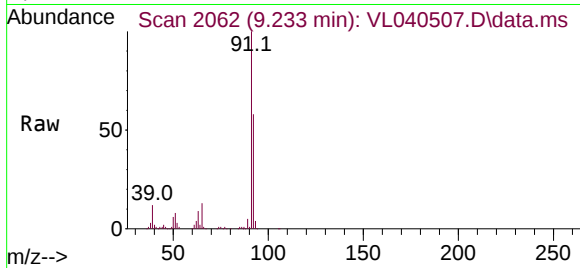
#53
Toluene
Concen: 2.231 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 575864
Ion Ratio Lower Upper
91 100
92 61.3 49.1 73.7

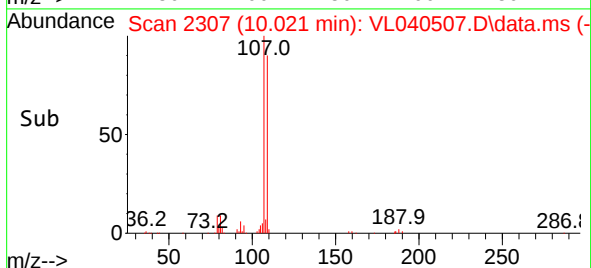
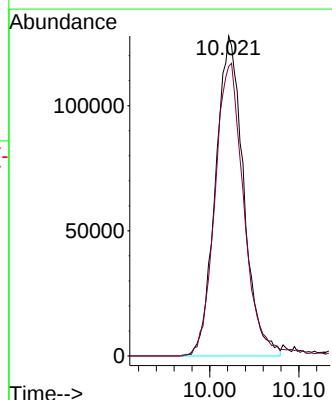
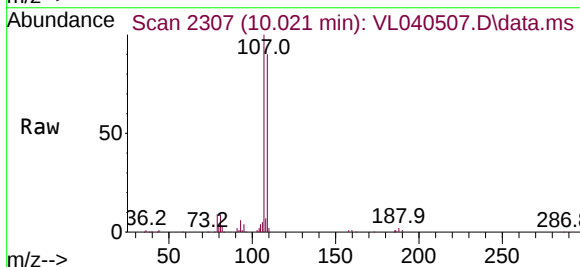
Manual Integrations
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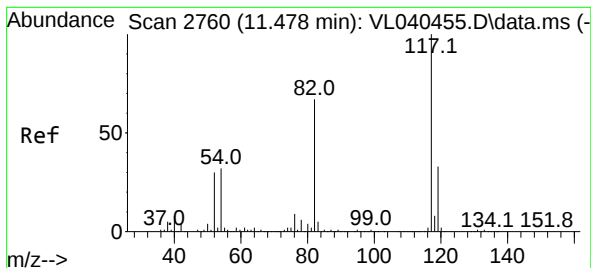
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#54
1,2-Dibromoethane
Concen: 2.050 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

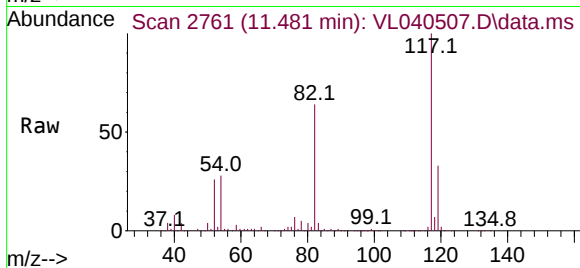
Tgt Ion:107 Resp: 279029
Ion Ratio Lower Upper
107 100
109 90.5 74.5 111.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

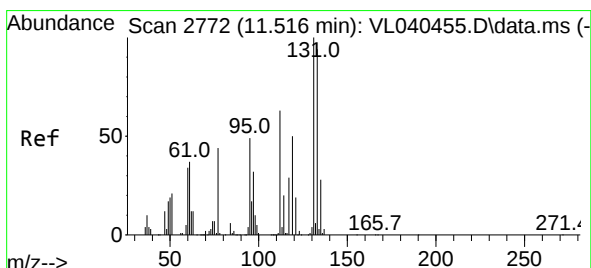
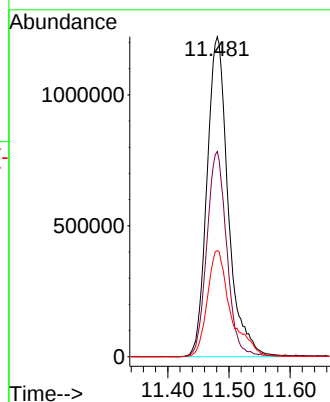
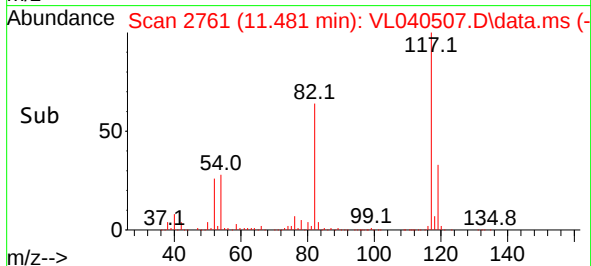
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



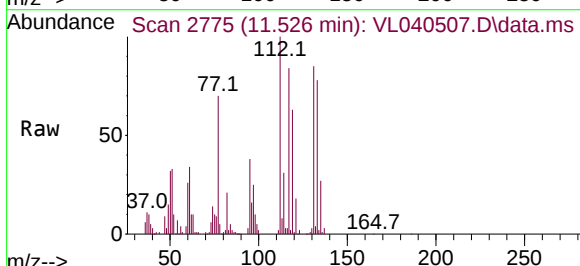
Tgt Ion:117 Resp: 294568
Ion Ratio Lower Upper
117 100
82 60.9 53.0 79.4
119 36.6 24.4 36.6

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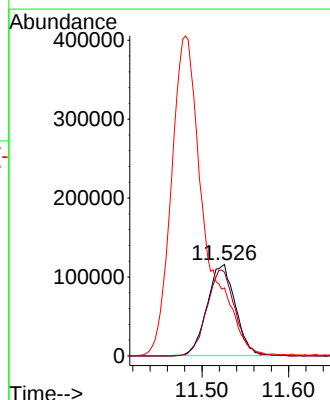
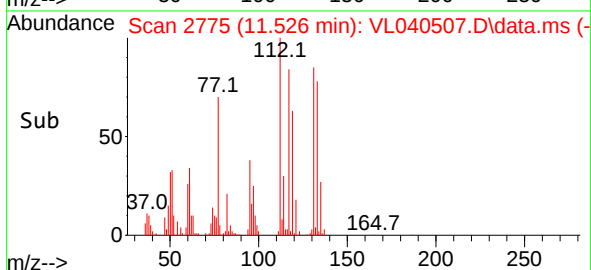
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

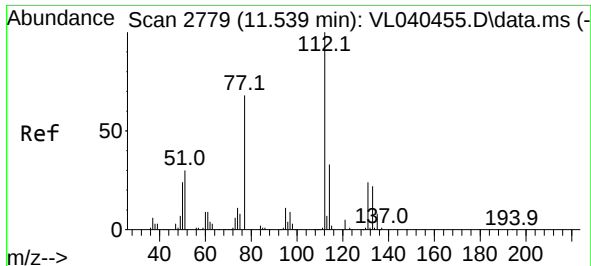


#56
1,1,1,2-Tetrachloroethane
Concen: 1.883 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.010 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



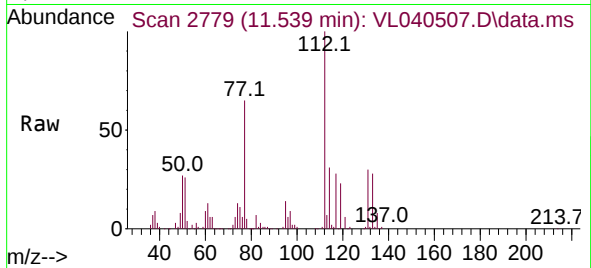
Tgt Ion:131 Resp: 260724
Ion Ratio Lower Upper
131 100
133 95.0 75.7 113.5
119 414.5 51.4 77.2#





#57
Chlorobenzene
Concen: 2.123 ppbv
RT: 11.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

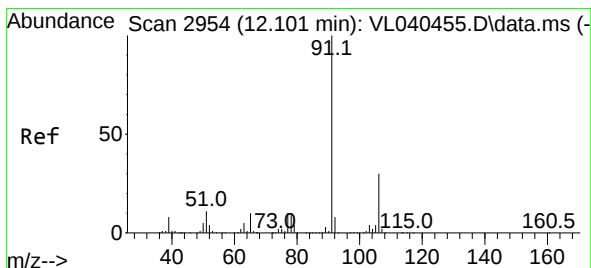
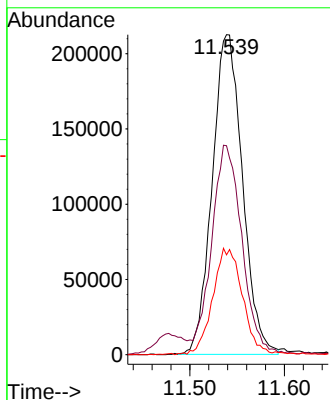
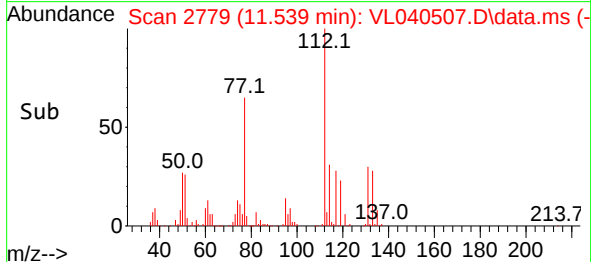
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:112 Resp: 47257
Ion Ratio Lower Upper
112 100
77 64.6 55.4 83.2
114 30.9 30.0 36.6

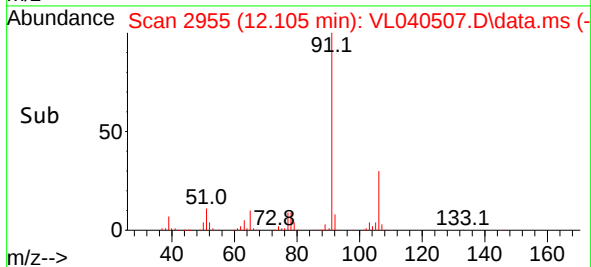
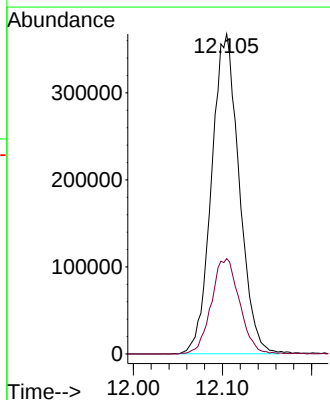
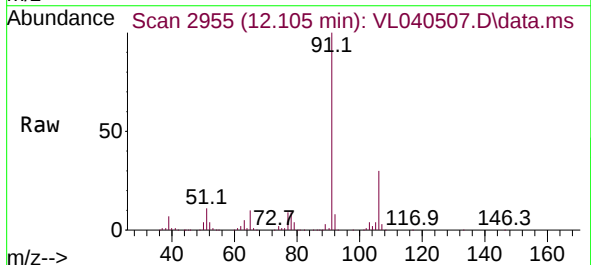
Manual Integrations
APPROVED

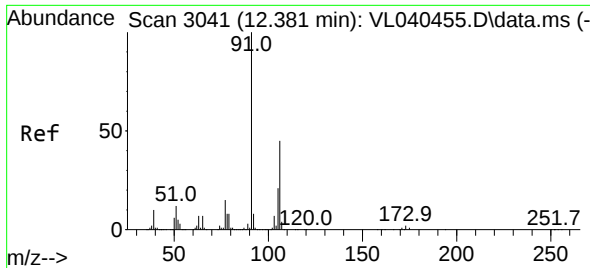
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#58
Ethyl Benzene
Concen: 2.217 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 91 Resp: 791159
Ion Ratio Lower Upper
91 100
106 29.8 23.7 35.5





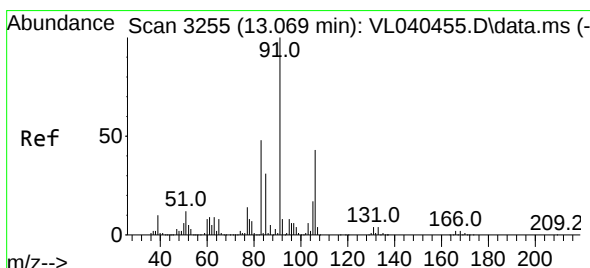
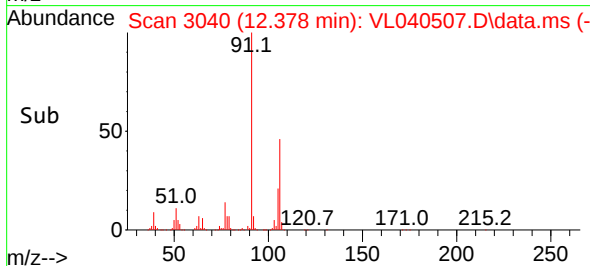
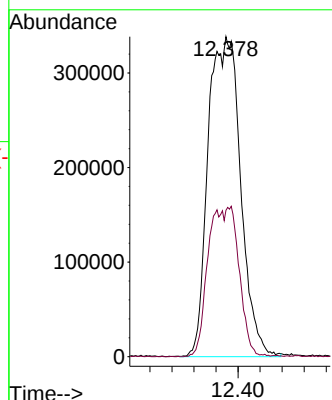
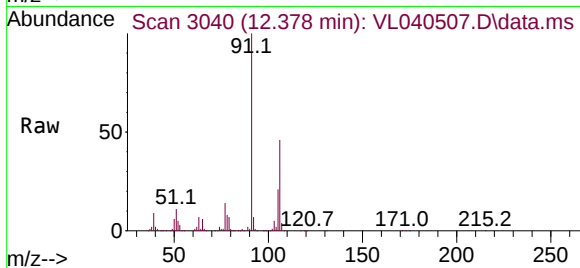
#59
m/p-Xylene
Concen: 4.227 ppbv m
RT: 12.378 min Scan# 3040
Delta R.T. -0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 91 Resp: 138637
Ion Ratio Lower Upper
91 100
106 44.7 34.6 52.0

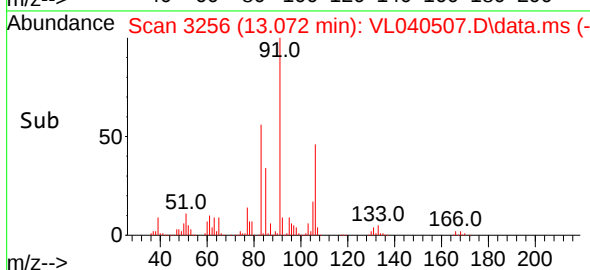
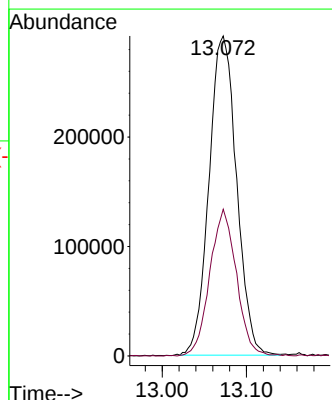
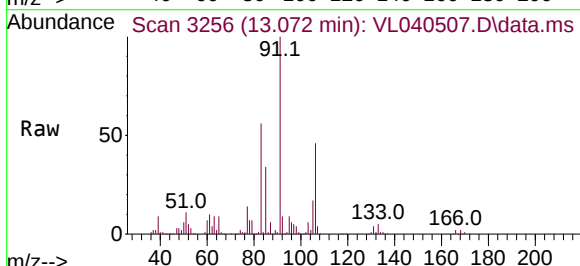
Manual Integrations
APPROVED

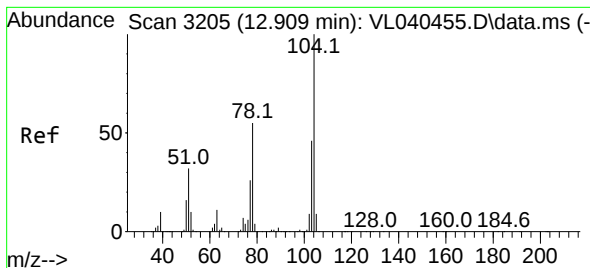
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#60
o-Xylene
Concen: 2.129 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion: 91 Resp: 662442
Ion Ratio Lower Upper
91 100
106 44.5 22.1 66.1





#61

Styrene

Concen: 2.298 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

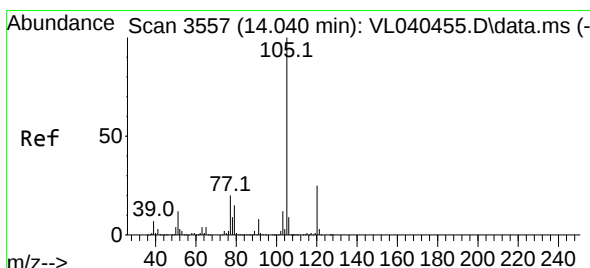
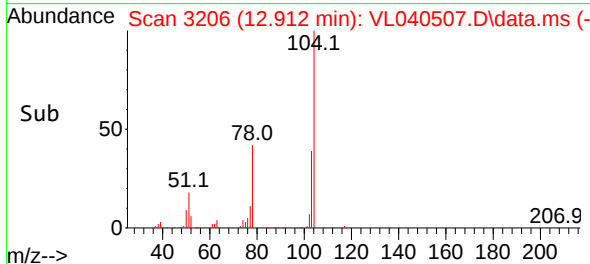
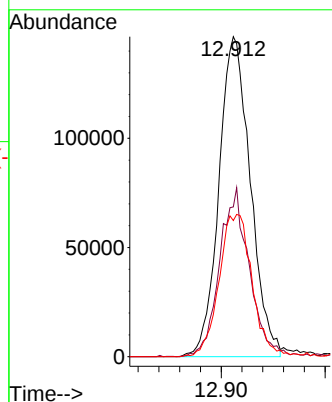
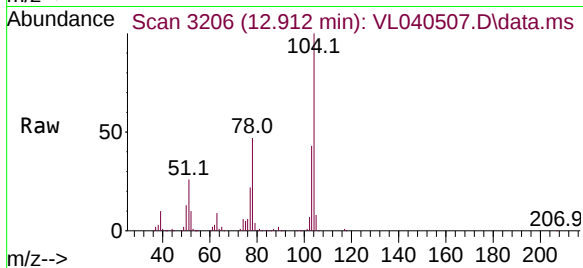
VSTDIC002

Tgt Ion:104 Resp: 307720
 Ion Ratio Lower Upper
 104 100
 78 50.5 43.1 64.7
 103 47.1 37.1 55.7

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 2.127 ppbv

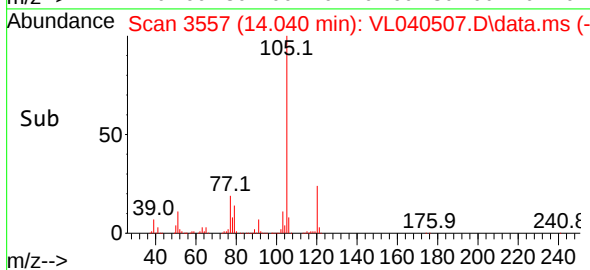
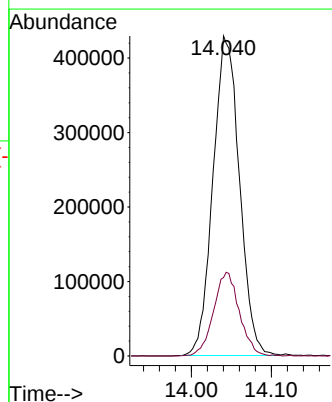
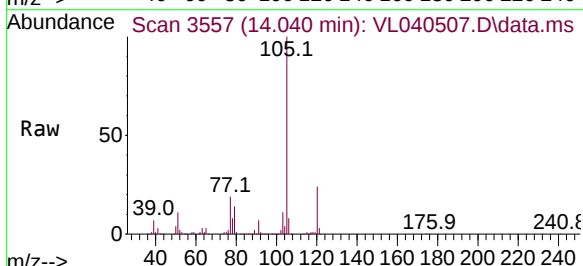
RT: 14.040 min Scan# 3557

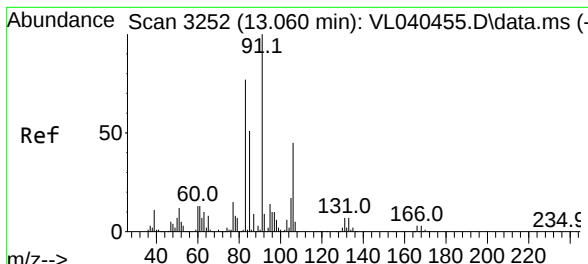
Delta R.T. -0.000 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion:105 Resp: 983499
 Ion Ratio Lower Upper
 105 100
 120 25.6 20.2 30.4





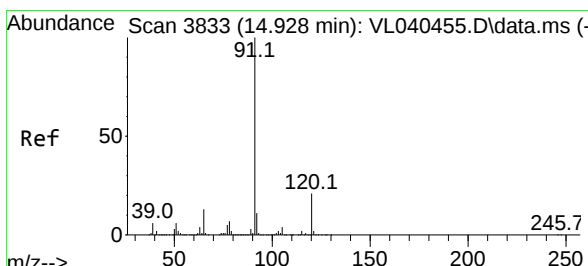
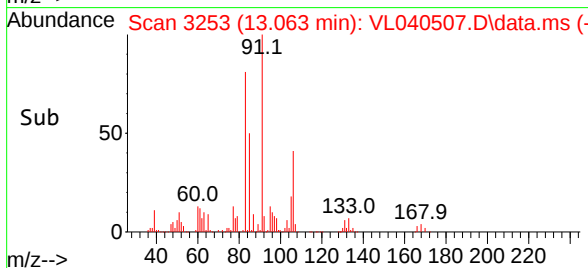
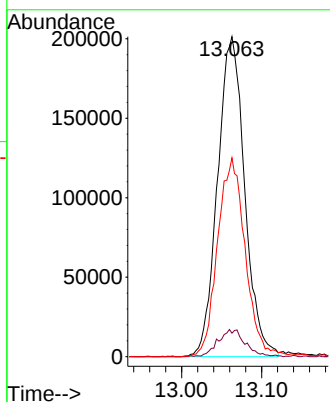
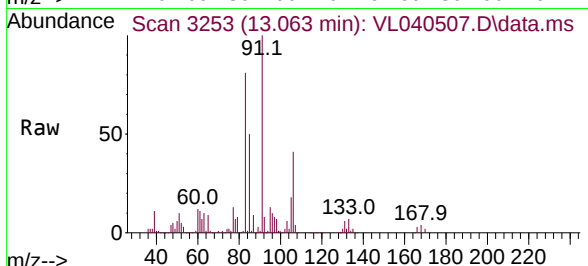
#63
1,1,2,2-Tetrachloroethane
Concen: 2.354 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 47413
Ion Ratio Lower Upper
83 100
131 8.6 4.5 13.7
85 63.9 33.0 99.0

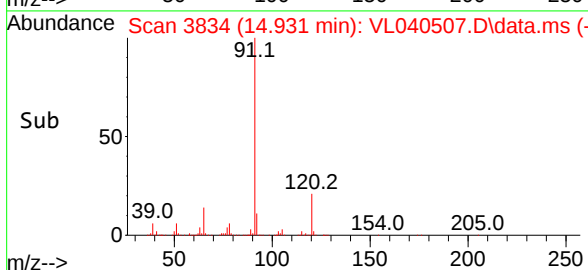
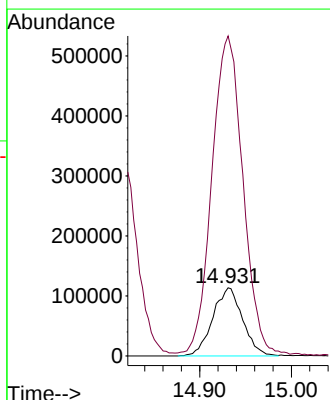
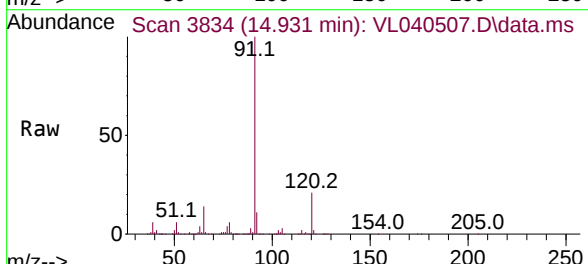
Manual Integrations
APPROVED

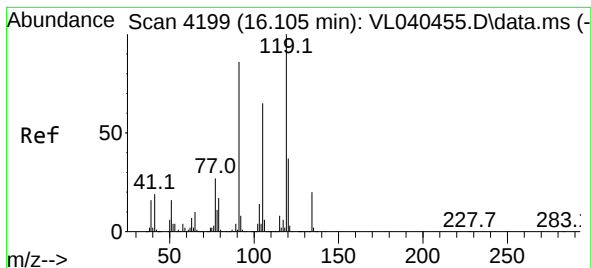
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#64
n-propylbenzene
Concen: 2.190 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

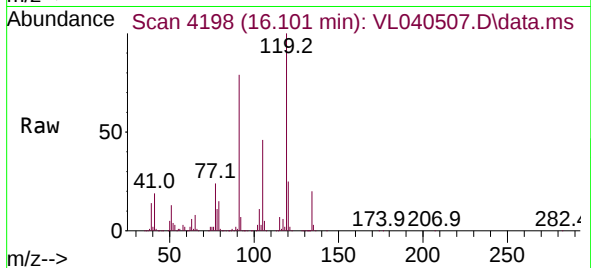
Tgt Ion:120 Resp: 257094
Ion Ratio Lower Upper
120 100
91 492.4 388.5 582.7





#65
tert-Butylbenzene
Concen: 2.257 ppbv
RT: 16.101 min Scan# 4199
Delta R.T. -0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

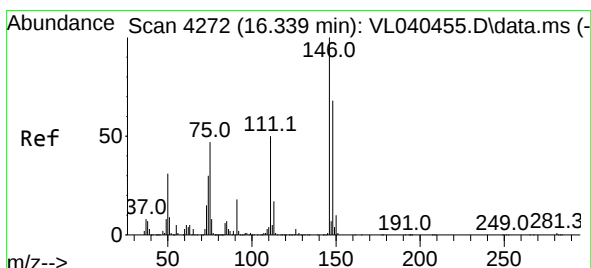
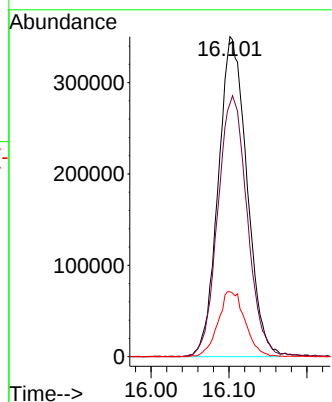
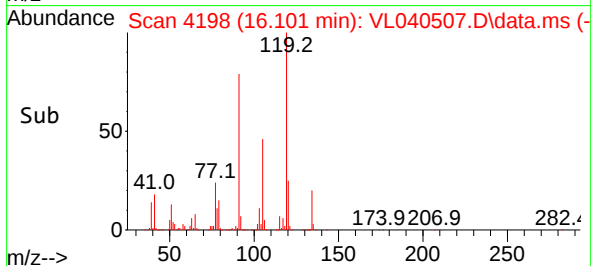
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



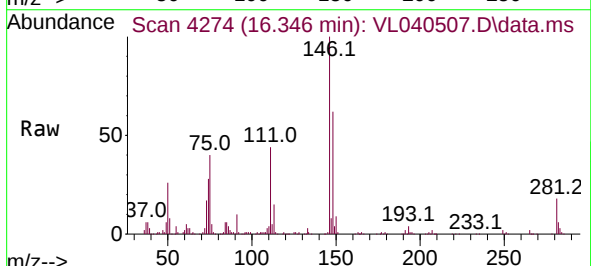
Tgt Ion: 119 Resp: 89535
Ion Ratio Lower Upper
119 100
91 84.2 70.5 105.7
134 19.4 15.6 23.4

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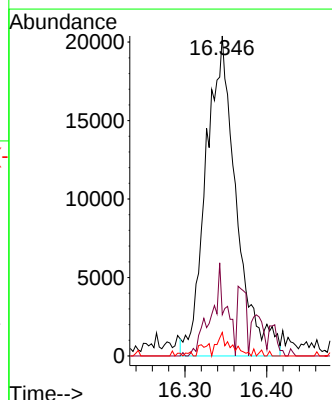
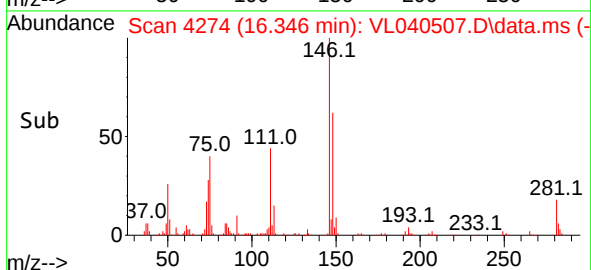
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

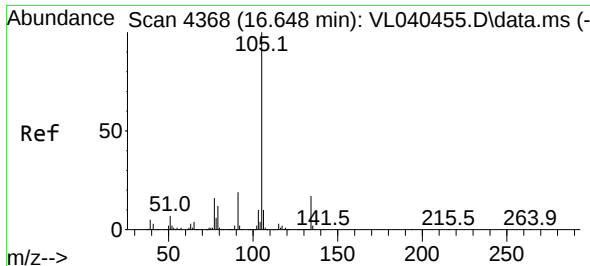


#66
Benzyl Chloride
Concen: 1.722 ppbv m
RT: 16.346 min Scan# 4274
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



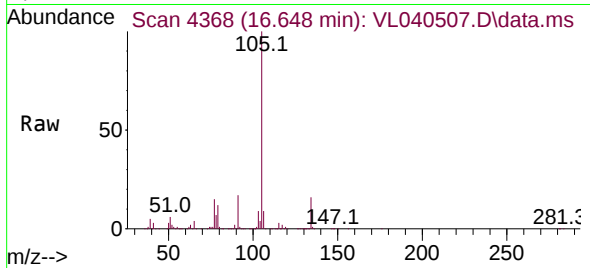
Tgt Ion: 91 Resp: 52650
Ion Ratio Lower Upper
91 100
126 28.3 13.2 19.8#
128 4.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 2.260 ppbv
 RT: 16.648 min Scan# 4368
 Delta R.T. -0.000 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28

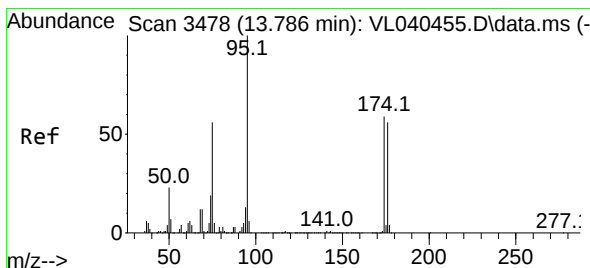
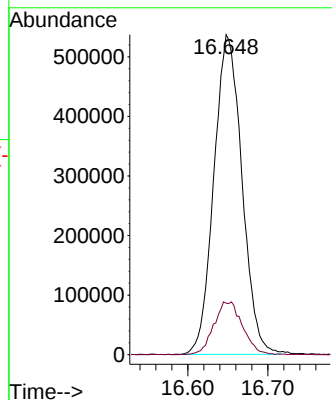
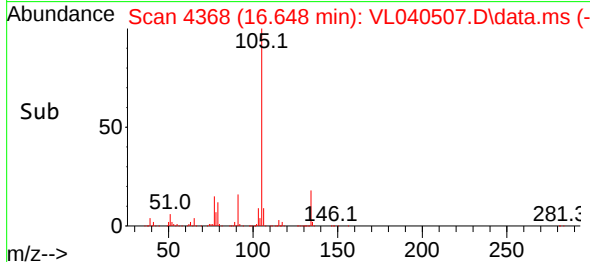
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



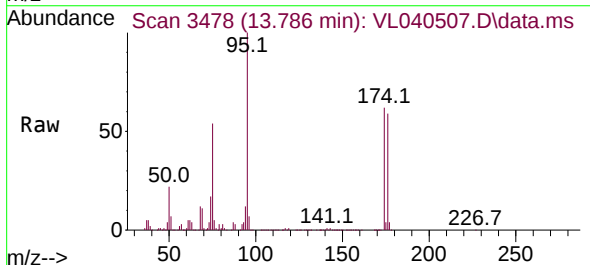
Tgt Ion: 105 Resp: 130732
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.0 21.0

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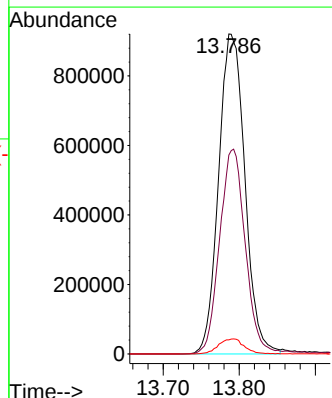
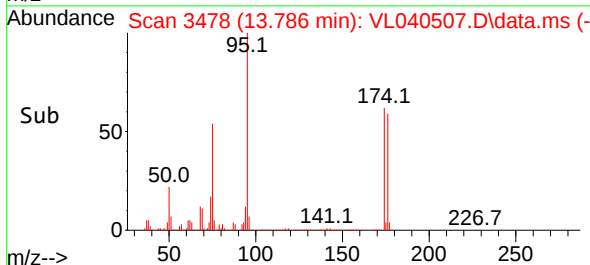
Reviewed By :Semsettin Yesilyurt 07/11/2023
 Supervised By :Mahesh Dadoda 07/11/2023

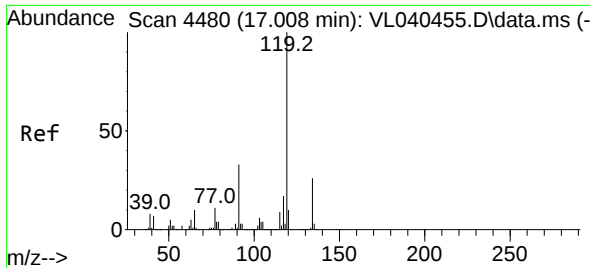


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.093 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: VL040507.D
 Acq: 10 Jul 2023 12:28



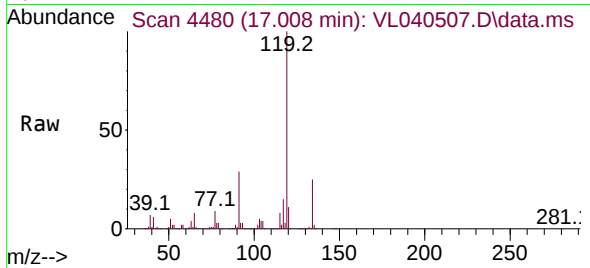
Tgt Ion: 95 Resp: 2210761
 Ion Ratio Lower Upper
 95 100
 174 63.0 47.7 71.5
 175 4.7 3.5 5.3





#69
p-Isopropyltoluene
Concen: 2.363 ppbv
RT: 17.008 min Scan# 4480
Delta R.T. -0.000 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

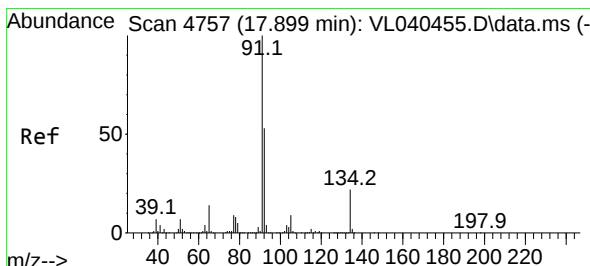
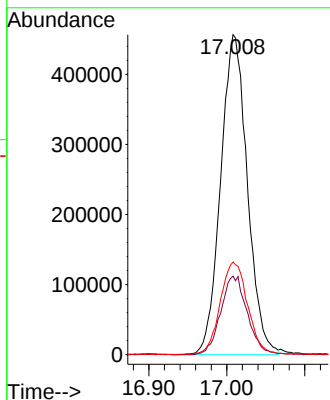
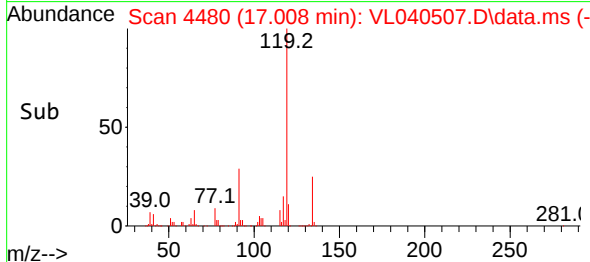
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



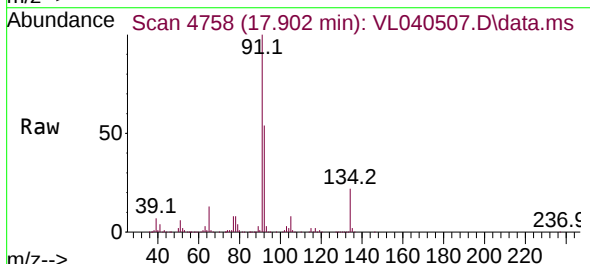
Tgt Ion: 119 Resp: 108642
Ion Ratio Lower Upper
119 100
134 24.6 20.3 30.5
91 30.1 25.5 38.3

Manual Integrations
APPROVED

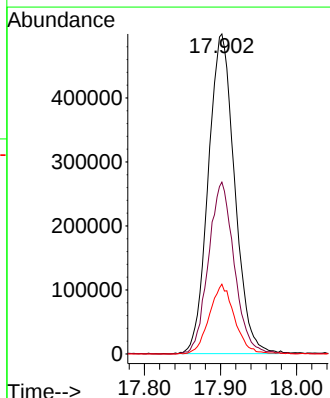
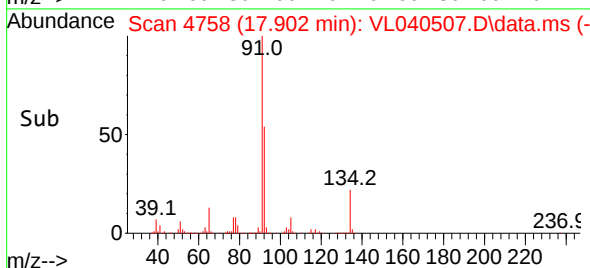
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

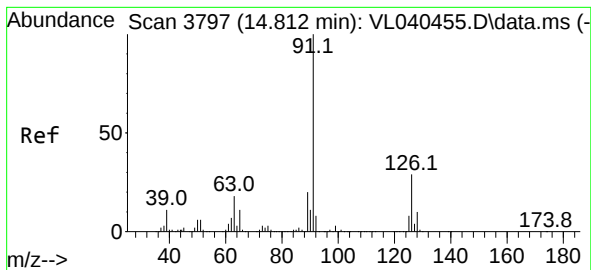


#70
n-Butylbenzene
Concen: 2.344 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



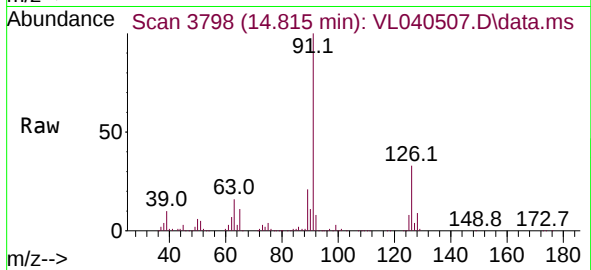
Tgt Ion: 91 Resp: 1202742
Ion Ratio Lower Upper
91 100
92 52.9 42.7 64.1
134 21.0 16.9 25.3





#71
2-Chlorotoluene
Concen: 2.224 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

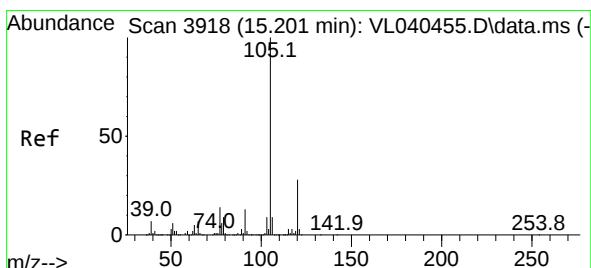
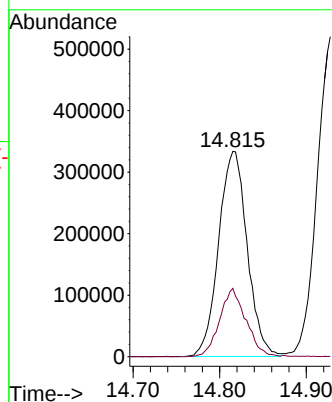
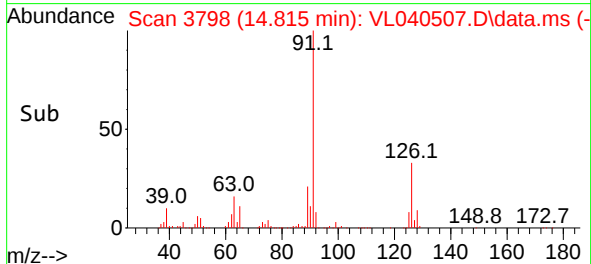
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



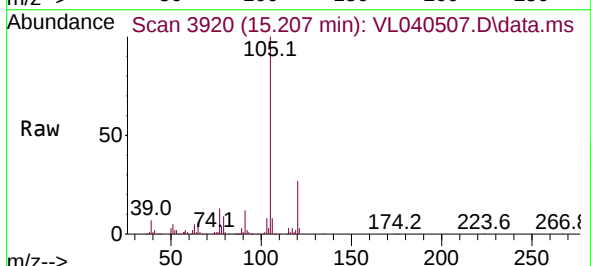
Tgt Ion: 91 Resp: 763650
Ion Ratio Lower Upper
91 100
126 31.0 12.0 48.2

Manual Integrations
APPROVED

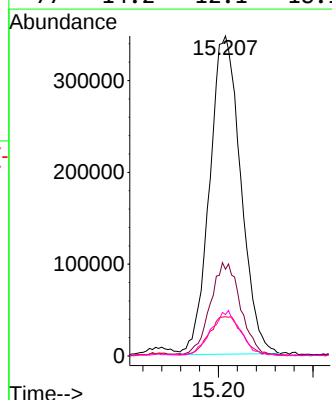
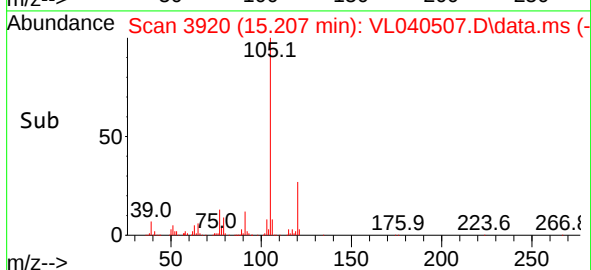
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023

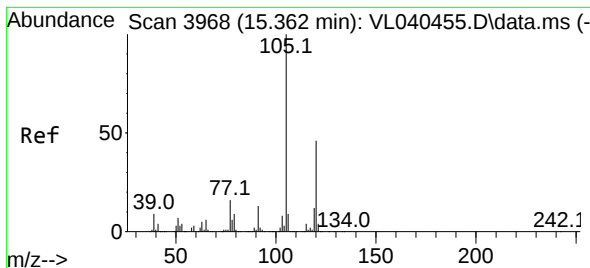


#72
4-Ethyltoluene
Concen: 2.258 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.006 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28



Tgt Ion:105 Resp: 791269
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 13.3 11.1 16.7
77 14.2 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 2.237 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. 0.003 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 69275

Ion Ratio Lower Upper

105 100

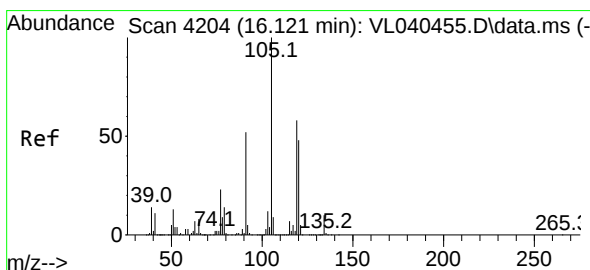
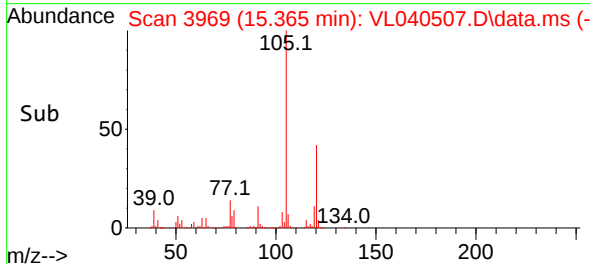
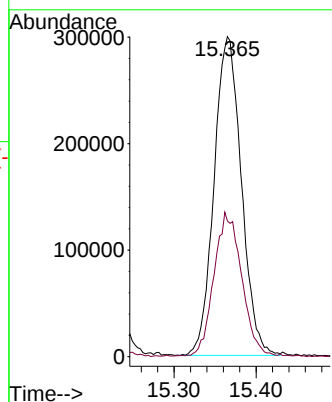
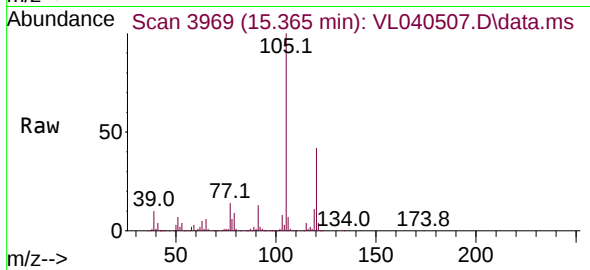
120 42.2 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023



#74

1,2,4-Trimethylbenzene

Concen: 2.215 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. -0.000 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion:105 Resp: 807031

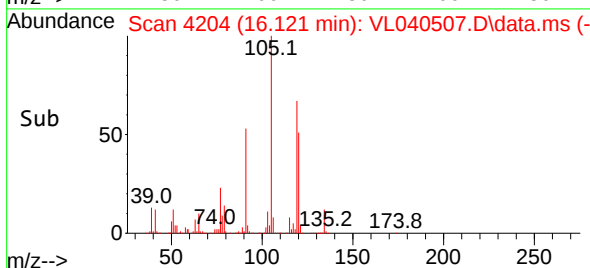
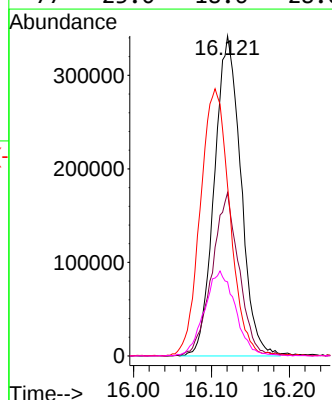
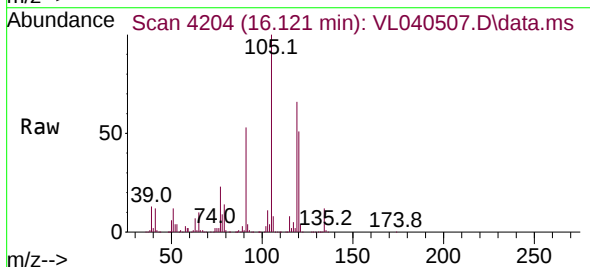
Ion Ratio Lower Upper

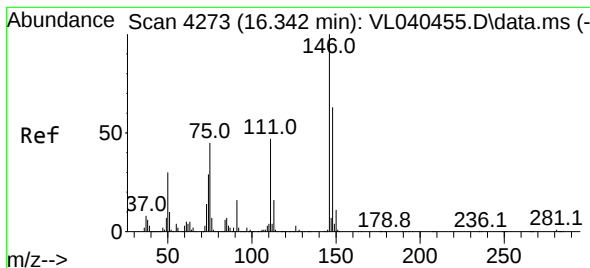
105 100

120 50.7 38.4 57.6

91 52.6 41.3 61.9

77 23.0 18.6 28.0





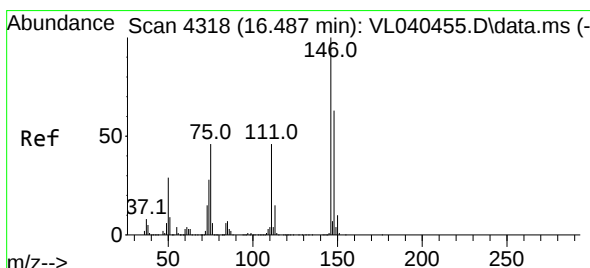
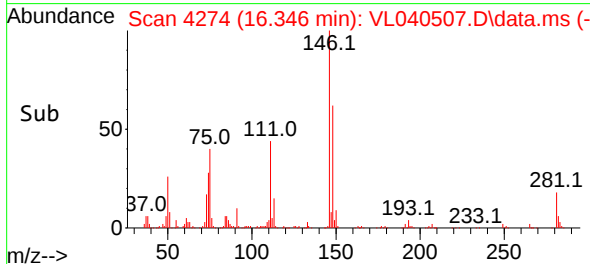
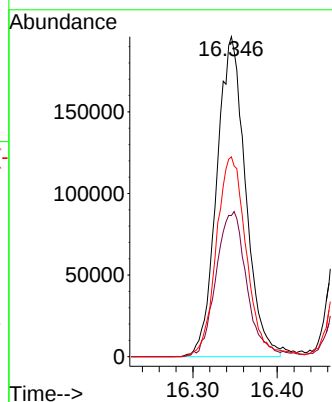
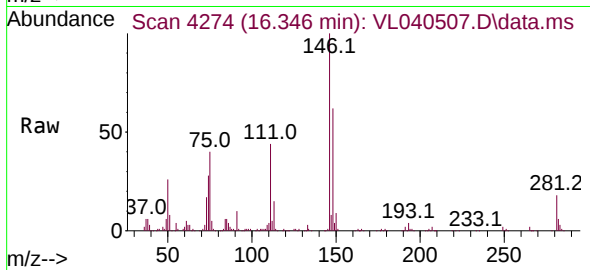
#75
1,3-Dichlorobenzene
Concen: 2.276 ppbv
RT: 16.346 min Scan# 4273
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 465112
Ion Ratio Lower Upper
146 100
111 48.8 24.6 73.8
148 65.6 32.4 97.2

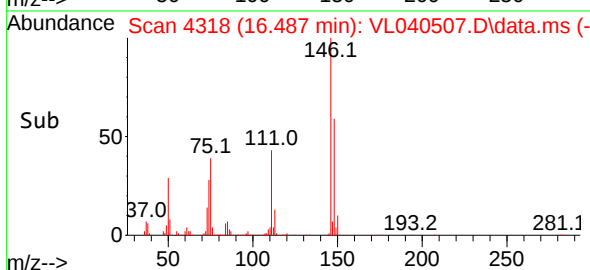
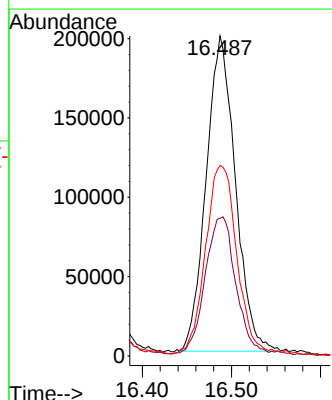
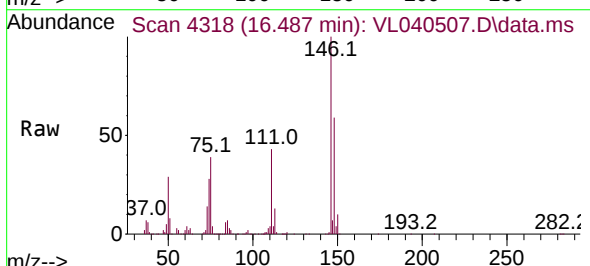
Manual Integrations
APPROVED

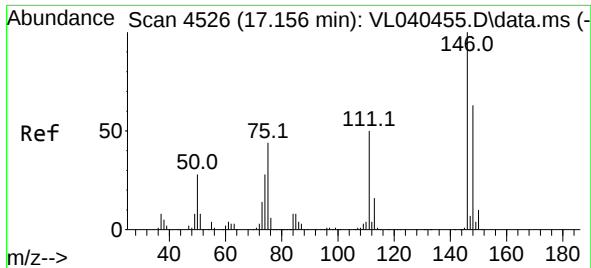
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#76
1,4-Dichlorobenzene
Concen: 2.279 ppbv
RT: 16.487 min Scan# 4318
Delta R.T. -0.000 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion:146 Resp: 452843
Ion Ratio Lower Upper
146 100
111 47.8 23.8 71.5
148 66.2 32.9 98.6





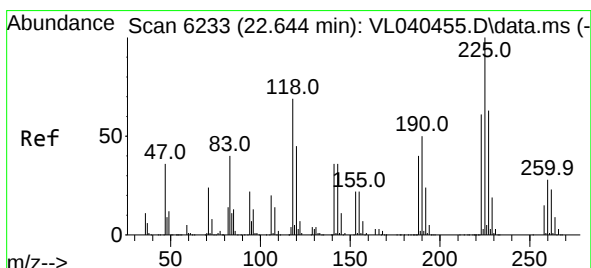
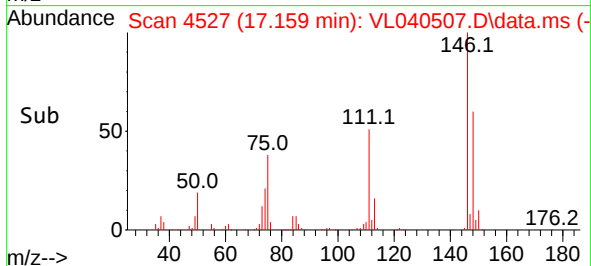
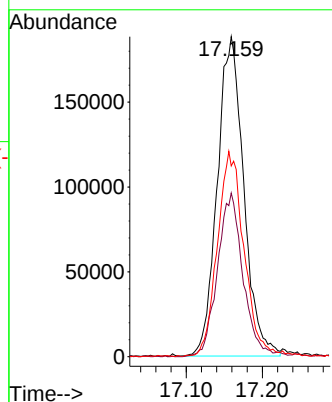
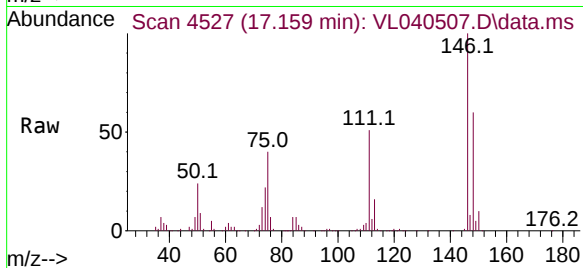
#77
1,2-Dichlorobenzene
Concen: 2.357 ppbv
RT: 17.159 min Scan# 4527
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 45500
Ion Ratio Lower Upper
146 100
111 49.8 25.1 75.3
148 65.5 32.0 96.2

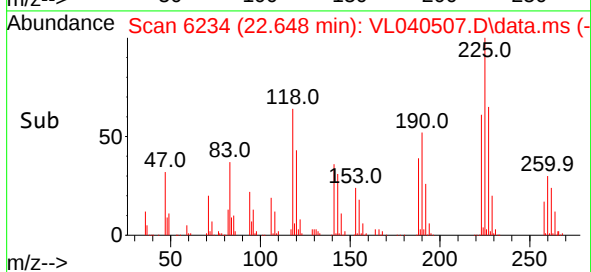
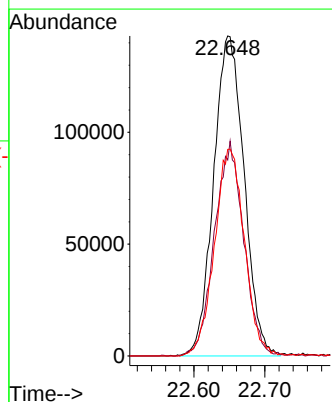
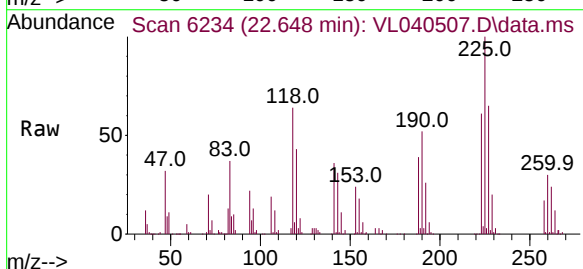
Manual Integrations
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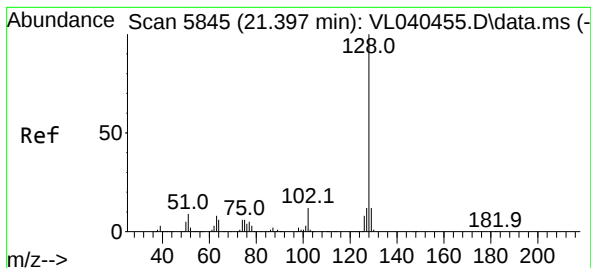
Reviewed By :Semsettin Yesilyurt 07/11/2023
Supervised By :Mahesh Dadoda 07/11/2023



#78
Hexachloro-1,3-Butadiene
Concen: 2.868 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.003 min
Lab File: VL040507.D
Acq: 10 Jul 2023 12:28

Tgt Ion:225 Resp: 426999
Ion Ratio Lower Upper
225 100
223 64.7 50.0 75.0
227 63.7 50.9 76.3





#79

Naphthalene

Concen: 3.613 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

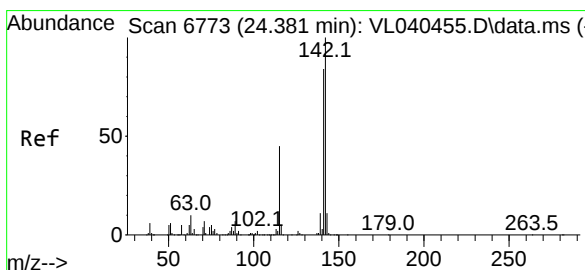
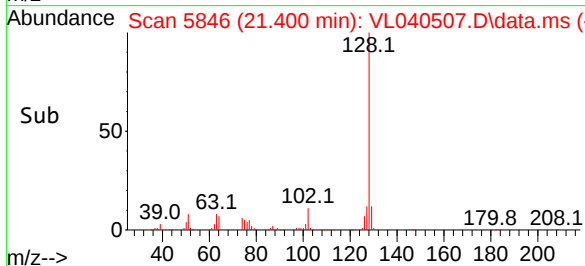
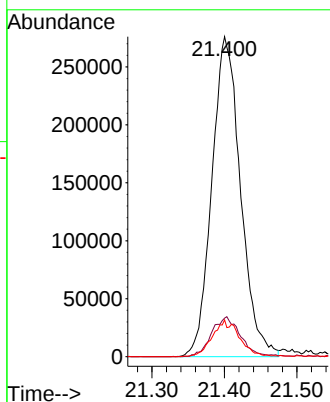
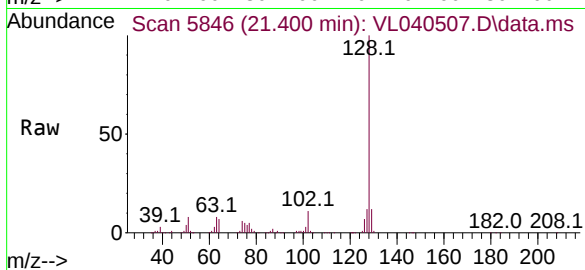
ClientSampleId :

VSTDIC002

Tgt Ion:128 Resp: 75825
 Ion Ratio Lower Upper
 128 100
 127 12.0 9.9 14.9
 129 11.5 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: 4.593 ppbv

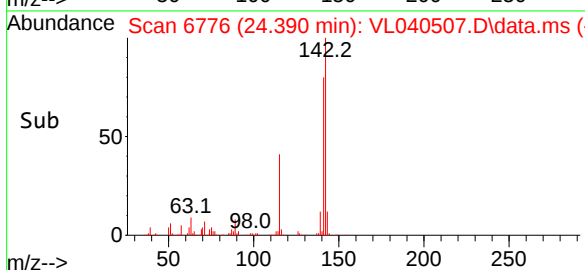
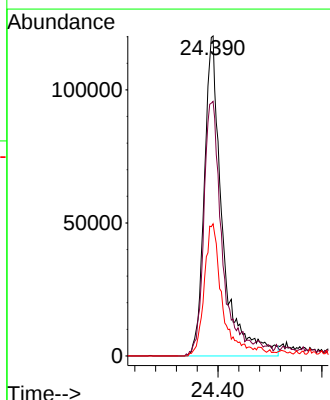
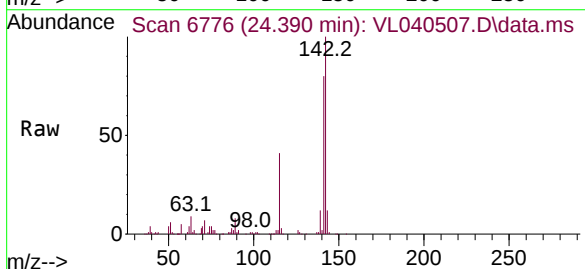
RT: 24.390 min Scan# 6776

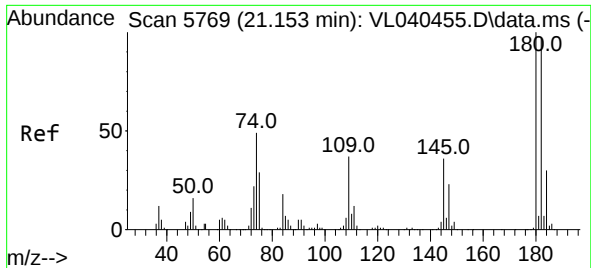
Delta R.T. 0.010 min

Lab File: VL040507.D

Acq: 10 Jul 2023 12:28

Tgt Ion:142 Resp: 289259
 Ion Ratio Lower Upper
 142 100
 141 83.5 65.4 98.0
 115 42.5 36.6 55.0





#81

1,2,4-Trichlorobenzene

Concen: 3.637 ppbv

RT: 21.156 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040507.D

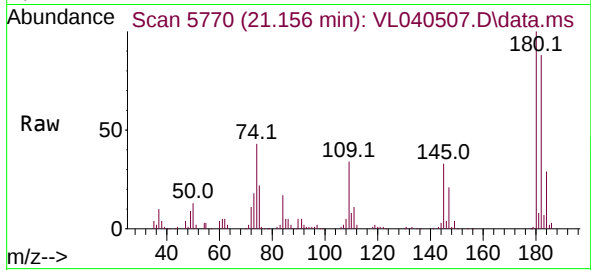
Acq: 10 Jul 2023 12:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 47284

Ion Ratio Lower Upper

180 100

182 96.3 77.2 115.8

184 29.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/11/2023

Supervised By :Mahesh Dadoda 07/11/2023

