

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040419.D
 Acq On : 12 May 2023 15:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:31:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1061354	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2664337	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2659269m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2059221 9.364 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1875887	9.803	ppbv	98
3) Chlorodifluoromethane	2.655	51	1273868	9.185	ppbv	100
4) Chloromethane	2.793	50	812389	9.273	ppbv	96
5) Vinyl Chloride	2.903	62	705316	9.753	ppbv	99
6) Bromomethane	3.105	94	230306	9.666	ppbv	99
7) Chloroethane	3.179	64	258788	9.450	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1736605	9.286	ppbv	98
9) Propene	2.674	41	499028	9.108	ppbv	99
10) Heptane	7.574	43	1295354	10.403	ppbv	100
11) Trichlorofluoromethane	3.549	101	1787931	9.229	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.054	101	1262343	9.317	ppbv	100
13) Ethanol	3.227	45	40958m	8.955	ppbv	
14) Bromoethene	3.350	108	549042	9.910	ppbv	97
15) Acetone	3.452	43	1293661	8.606	ppbv	99
16) 1,3-Butadiene	2.967	39	618702	9.945	ppbv	97
17) tert-Butyl alcohol	3.864	59	1335933	9.678	ppbv	100
18) 1,1-Dichloroethene	3.864	96	576054	9.427	ppbv	96
19) Isopropyl Alcohol	3.559	45	644772	9.400	ppbv	99
20) Methylene Chloride	3.919	84	493281	8.219	ppbv	98
21) Allyl Chloride	3.983	41	833690	9.760	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	582036	9.527	ppbv	98
23) Vinyl Acetate	4.613	43	387361	10.121	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1198436	9.409	ppbv	99
25) Ethyl Acetate	5.195	43	2445084	9.666	ppbv	100
26) Hexane	5.202	57	1042443	9.776	ppbv	98
27) Carbon Disulfide	4.112	76	1425193	10.327	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	1062722	9.654	ppbv	100
29) Chloroform	5.263	83	1799720	9.474	ppbv	96
30) Cyclohexane	6.594	84	876562	10.613	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1068902	10.113	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1814502	9.831	ppbv	100
34) 2-Butanone	4.774	43	1444005	10.051	ppbv	99
35) Carbon Tetrachloride	6.484	117	1867966	9.960	ppbv	99
36) Benzene	6.365	78	2177662	10.018	ppbv	100
37) 1,2-Dichloroethane	5.800	62	1407132	9.855	ppbv	100
38) Trichloroethene	7.288	130	1329962	10.750	ppbv	98
39) 1,2-Dichloropropane	7.066	63	837379	9.790	ppbv	99
40) 1,4-Dioxane	7.285	88	314226	9.592	ppbv #	99
41) Tetrahydrofuran	5.546	42	820677	10.430	ppbv	99
42) Bromodichloromethane	7.243	83	1970541	10.106	ppbv	99
43) Methyl Methacrylate	7.472	69	889705	11.020	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3588340	9.883	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	872117	12.093	ppbv	94

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 APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:31:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1166813	11.624	ppbv	99
47) 1,1,2-Trichloroethane	8.896	97	931607	9.934	ppbv	98
48) Dibromochloromethane	9.713	129	1622780	10.745	ppbv	99
49) Bromoform	12.410	173	1312710	11.144	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2249088	10.325	ppbv	100
51) 2-Hexanone	9.549	43	1763297	10.954	ppbv	99
52) Tetrachloroethene	10.616	164	749739	11.026	ppbv	94
53) Toluene	9.217	91	2522088	10.944	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1040689	10.946	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1171021	9.648	ppbv	99
57) Chlorobenzene	11.526	112	1953928	9.384	ppbv	98
58) Ethyl Benzene	12.089	91	3465391	10.593	ppbv	97
59) m/p-Xylene	12.372	91	6075725m	20.197	ppbv	
60) o-Xylene	13.063	91	2930923	10.152	ppbv	99
61) Styrene	12.899	104	1679504	11.613	ppbv	100
62) Isopropylbenzene	14.031	105	4126861	9.925	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	922095	8.727	ppbv	100
64) n-propylbenzene	14.921	120	1048460	10.248	ppbv	99
65) tert-Butylbenzene	16.098	119	3611205	9.872	ppbv	99
66) Benzyl Chloride	16.336	91	256160	11.310	ppbv	100
67) sec-Butylbenzene	16.638	105	5131589	9.766	ppbv	100
69) p-Isopropyltoluene	16.999	119	4115842	10.032	ppbv	100
70) n-Butylbenzene	17.889	91	4521531	9.941	ppbv	100
71) 2-Chlorotoluene	14.806	91	3209530	10.054	ppbv	99
72) 4-Ethyltoluene	15.195	105	3391348	10.640	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3001534	10.195	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3301054	9.810	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1811582	9.829	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	1780946	9.779	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1729715	9.491	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1307719	8.950	ppbv	100
79) Naphthalene	21.384	128	2804364	12.346	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	875357	12.946	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1454849	10.422	ppbv	99

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

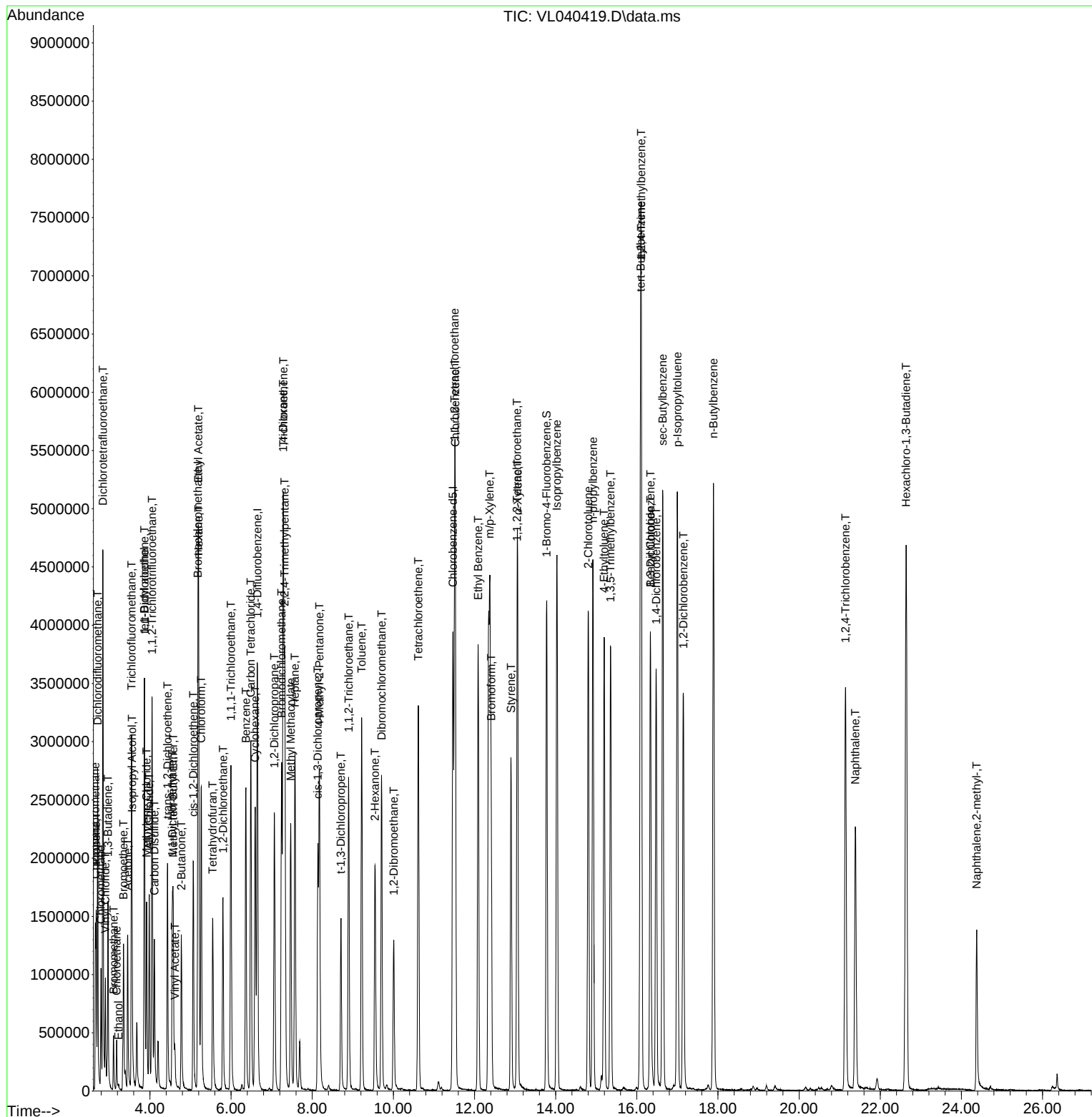
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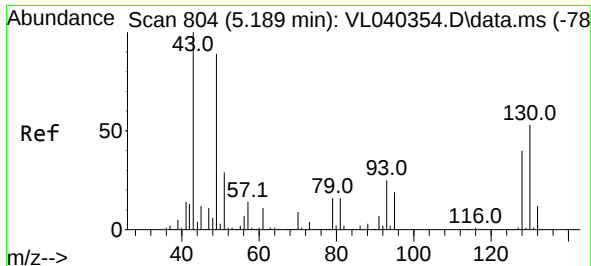
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: May 15 00:31:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

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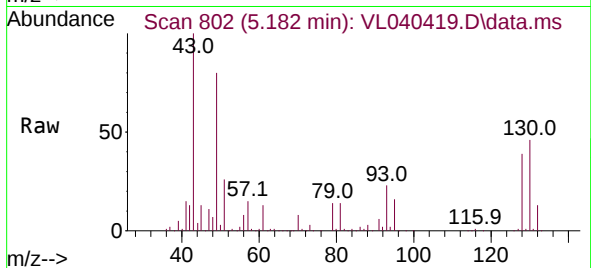
Reviewed By : Semsettin Yesilyurt 05/16/2023
Supervised By : Mahesh Dadoda 05/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

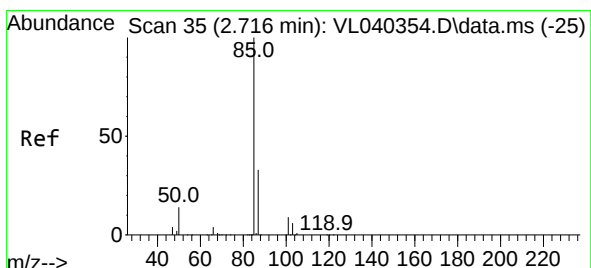
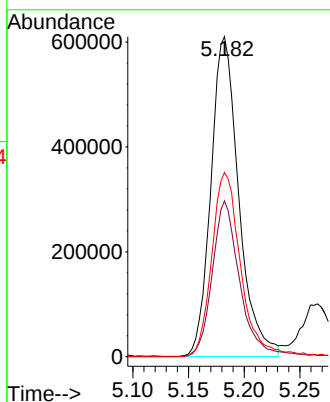
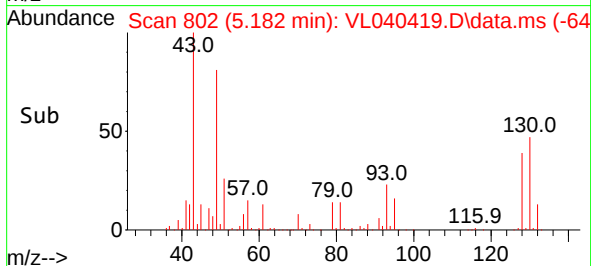
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 49 Resp: 1061354
Ion Ratio Lower Upper
49 100
128 48.8 23.7 71.1
130 60.9 29.9 89.8

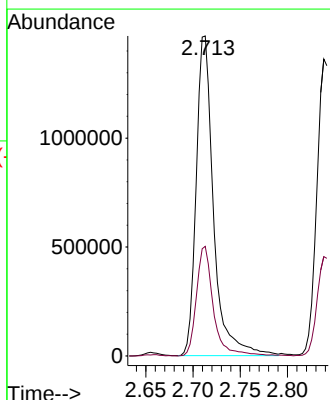
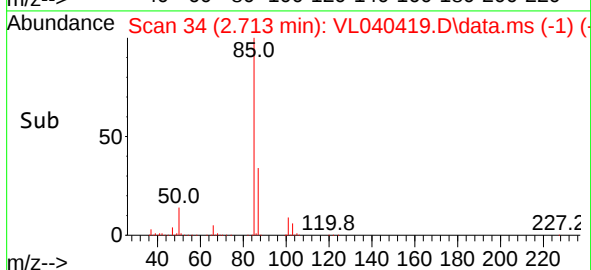
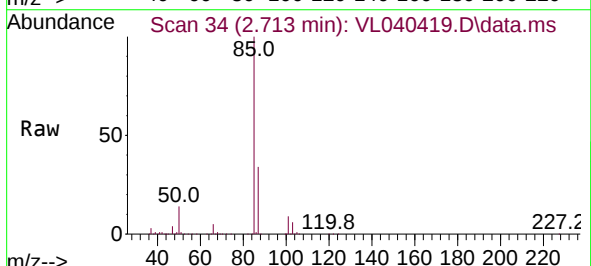
Manual Integrations
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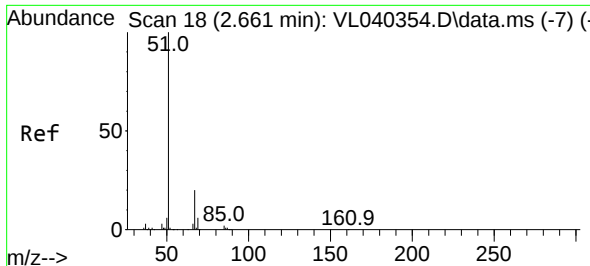
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#2
Dichlorodifluoromethane
Concen: 9.803 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

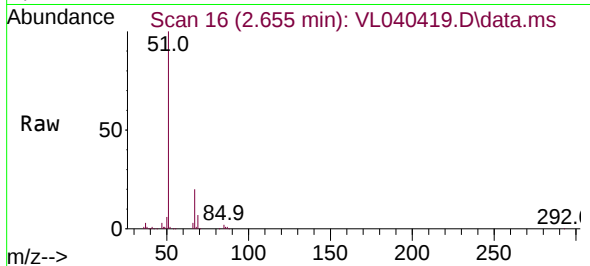
Tgt Ion: 85 Resp: 1875887
Ion Ratio Lower Upper
85 100
87 34.3 26.6 40.0





#3
Chlorodifluoromethane
Concen: 9.185 ppbv
RT: 2.655 min Scan# 10
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

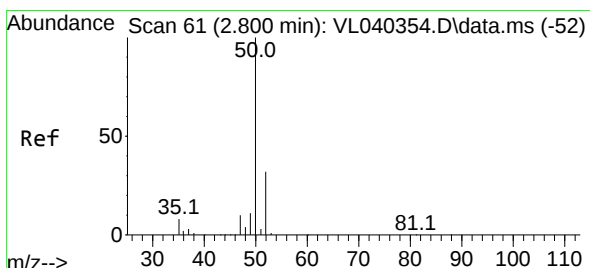
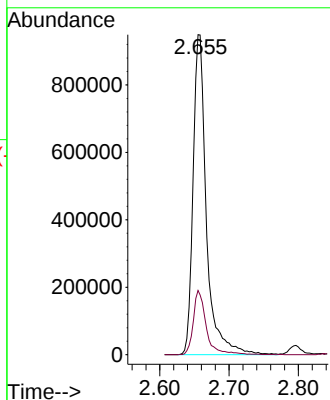
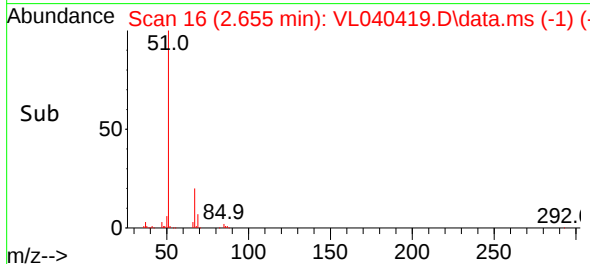
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 51 Resp: 127386
Ion Ratio Lower Upper
51 100
67 19.6 15.5 23.3

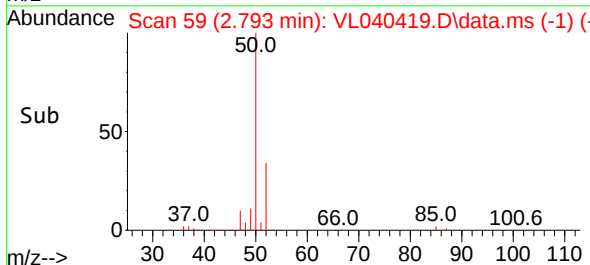
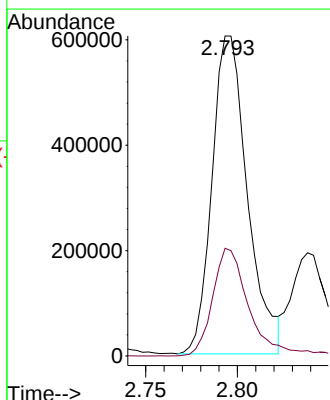
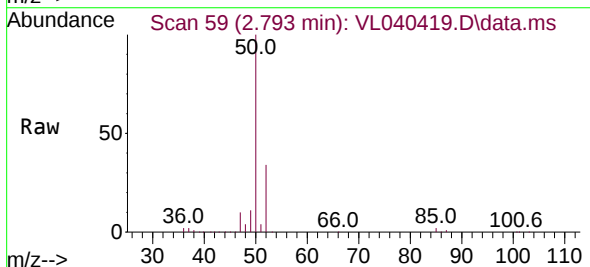
Manual Integrations
APPROVED

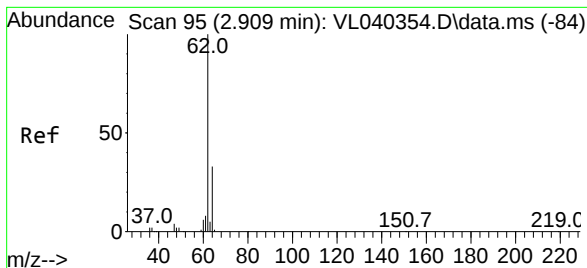
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#4
Chloromethane
Concen: 9.273 ppbv
RT: 2.793 min Scan# 59
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 50 Resp: 812389
Ion Ratio Lower Upper
50 100
52 33.9 25.3 37.9





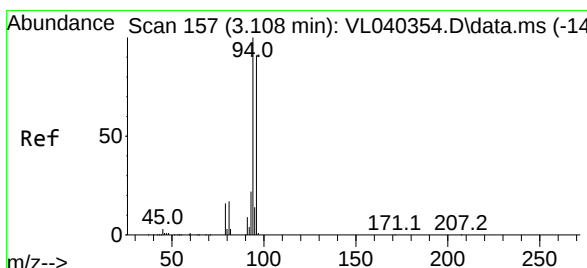
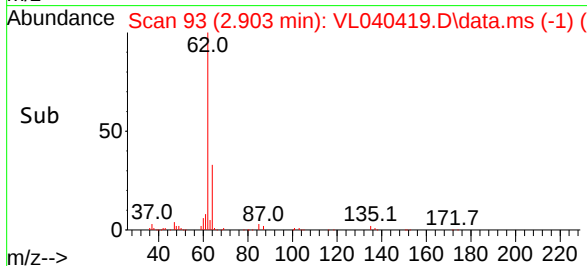
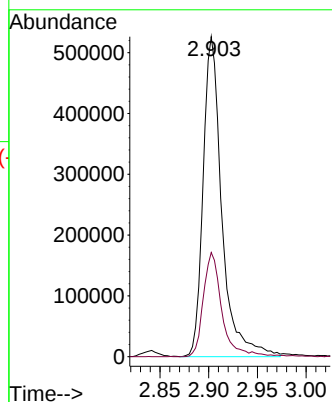
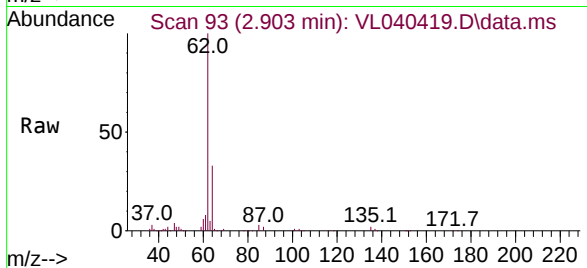
#5
 Vinyl Chloride
 Concen: 9.753 ppbv
 RT: 2.903 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 705310
 Ion Ratio Lower Upper
 62 100
 64 32.6 26.3 39.5

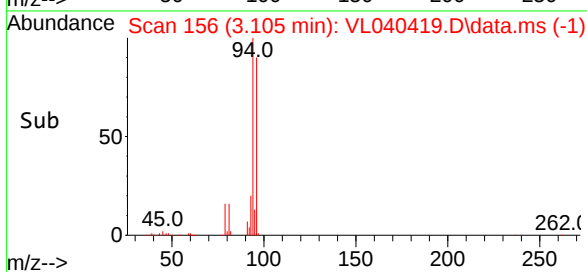
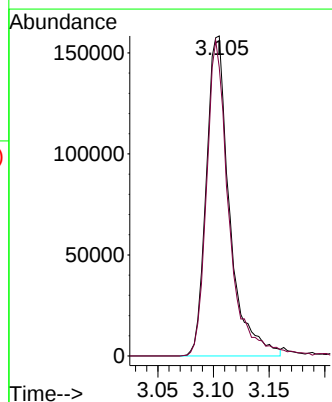
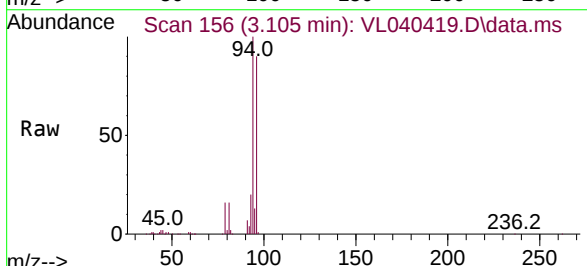
Manual Integrations
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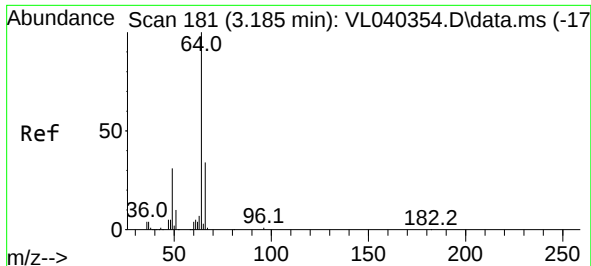
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#6
 Bromomethane
 Concen: 9.666 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. -0.003 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

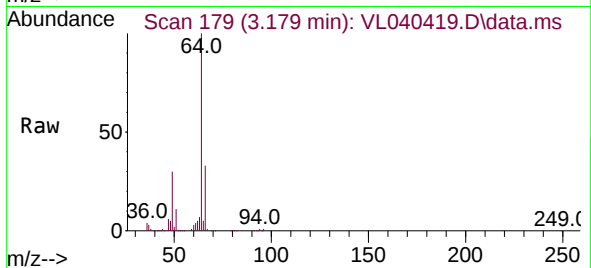
Tgt Ion: 94 Resp: 230306
 Ion Ratio Lower Upper
 94 100
 96 90.2 72.6 108.8





#7
Chloroethane
Concen: 9.450 ppbv
RT: 3.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

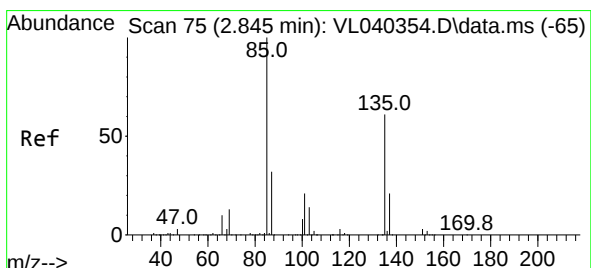
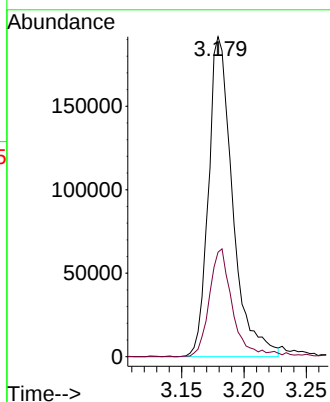
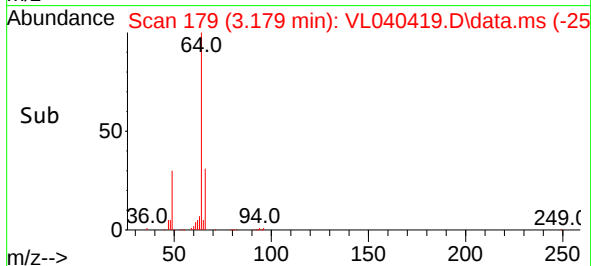
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 258788
Ion Ratio Lower Upper
64 100
66 32.7 27.5 41.3

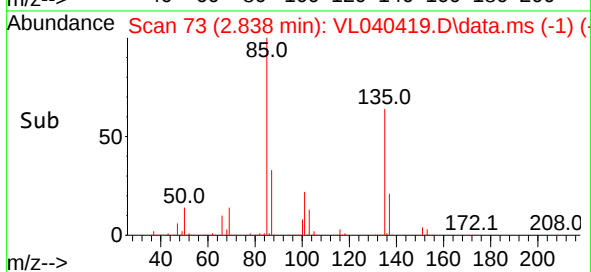
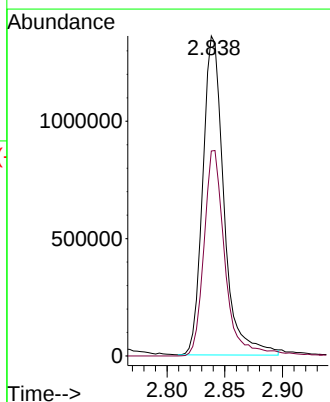
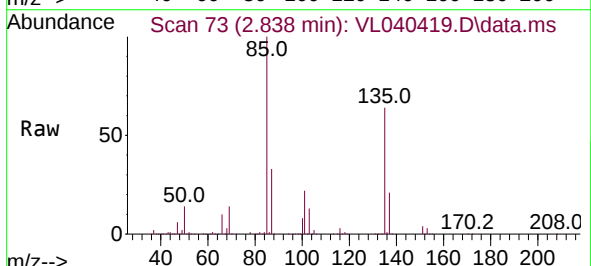
Manual Integrations
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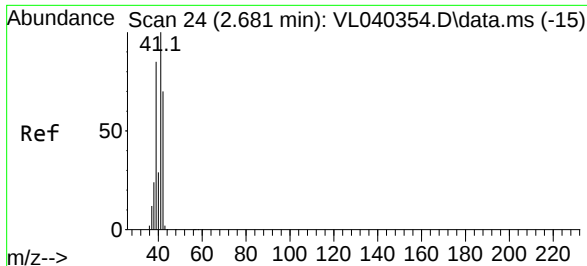
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#8
Dichlorotetrafluoroethane
Concen: 9.286 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

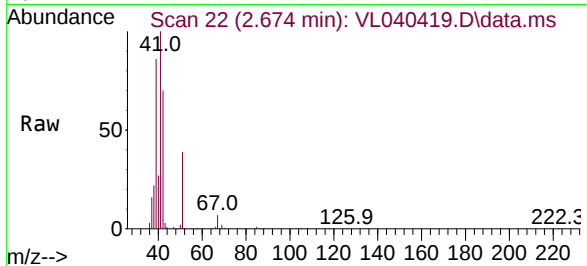
Tgt Ion: 85 Resp: 1736605
Ion Ratio Lower Upper
85 100
135 65.0 50.7 76.1





#9
 Propene
 Concen: 9.108 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

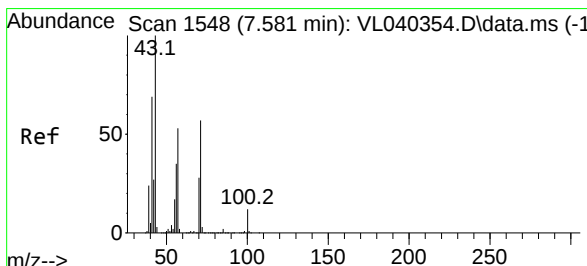
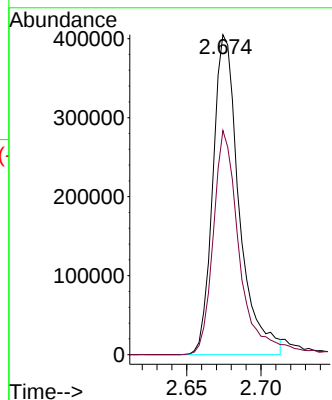
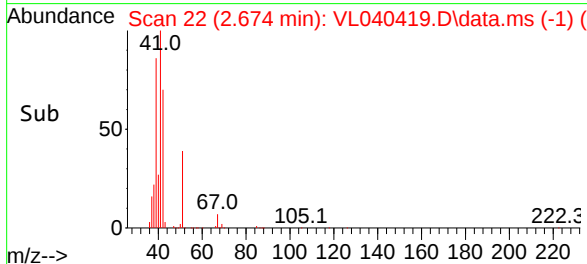
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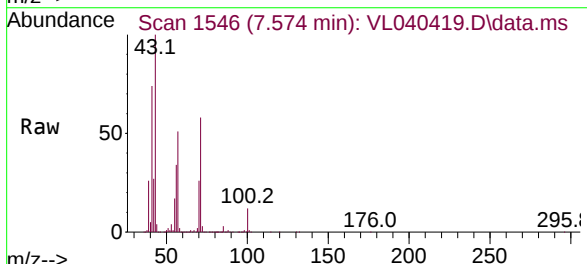
Tgt Ion: 41 Resp: 499028
 Ion Ratio Lower Upper
 41 100
 42 71.6 56.5 84.7

Manual Integrations
 APPROVED

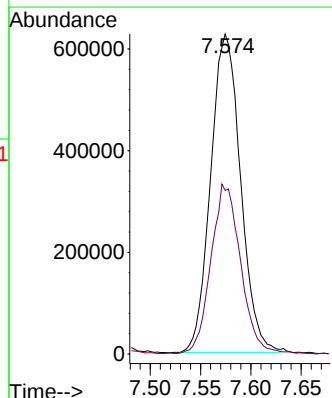
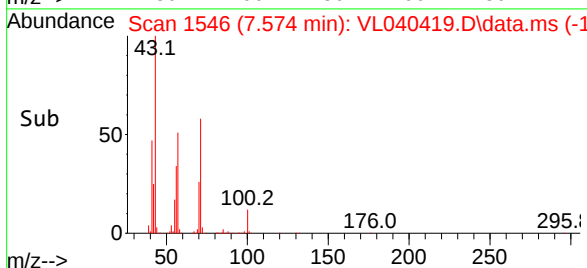
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023

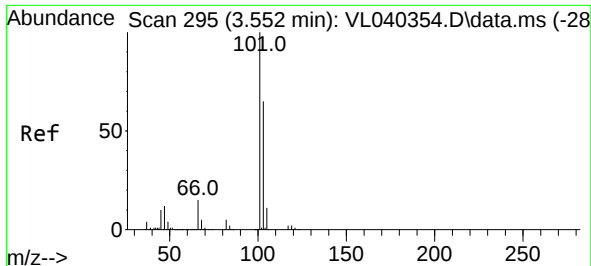


#10
 Heptane
 Concen: 10.403 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.007 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29



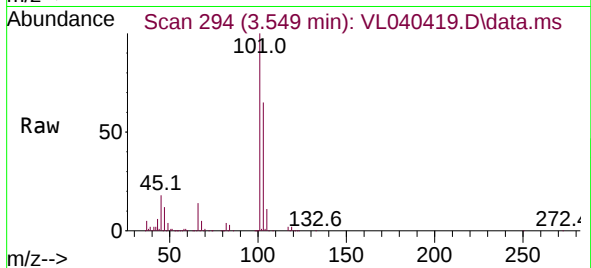
Tgt Ion: 43 Resp: 1295354
 Ion Ratio Lower Upper
 43 100
 57 52.6 42.2 63.4





#11
 Trichlorofluoromethane
 Concen: 9.229 ppbv
 RT: 3.549 min Scan# 295
 Delta R.T. -0.003 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

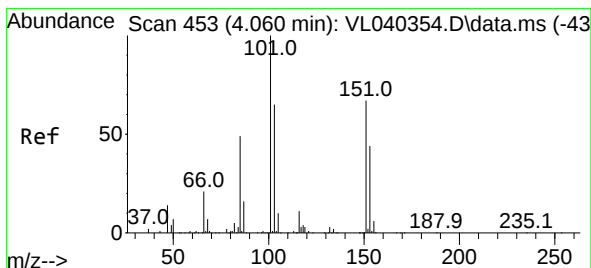
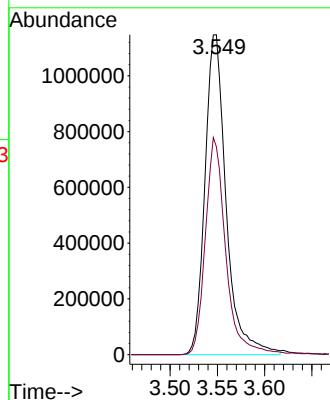
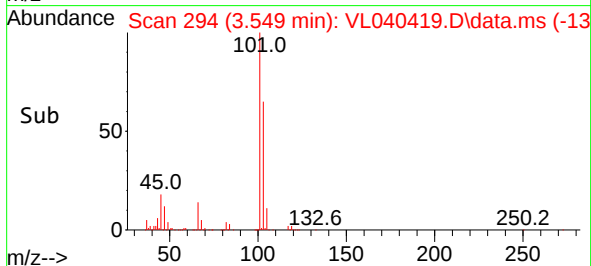
Instrument : MSVOA_L
 ClientSampleId : VSTDCCC010



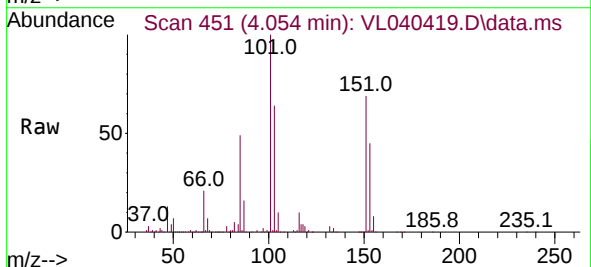
Tgt Ion:101 Resp: 178793
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.2 78.4

Manual Integrations
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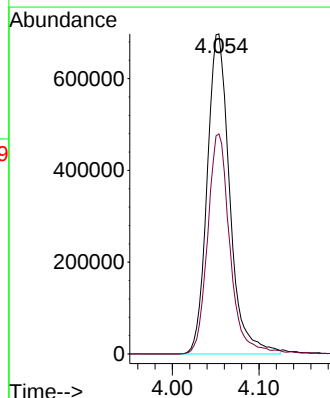
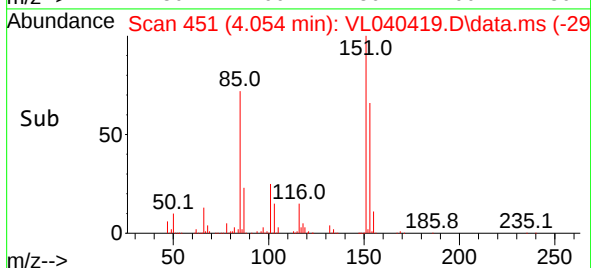
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023

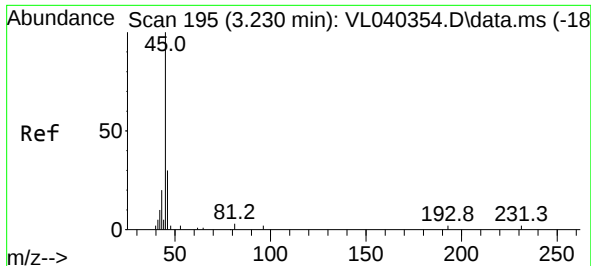


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.317 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. -0.006 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29



Tgt Ion:101 Resp: 1262343
 Ion Ratio Lower Upper
 101 100
 151 68.4 54.7 82.1





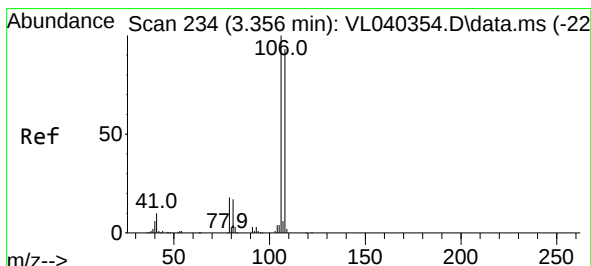
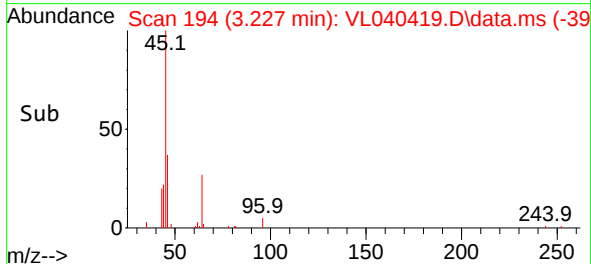
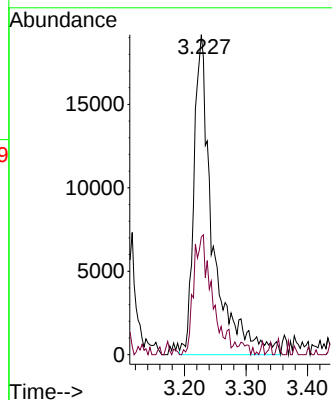
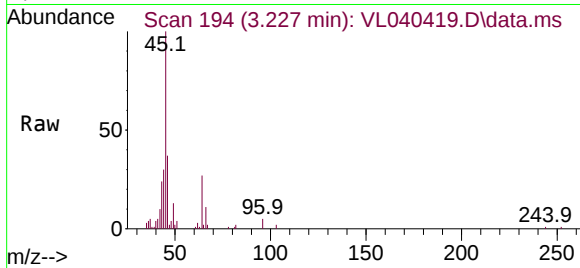
#13
Ethanol
Concen: 8.955 ppbv m
RT: 3.227 min Scan# 194
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 40958
Ion Ratio Lower Upper
45 100
46 37.3 15.3 61.3

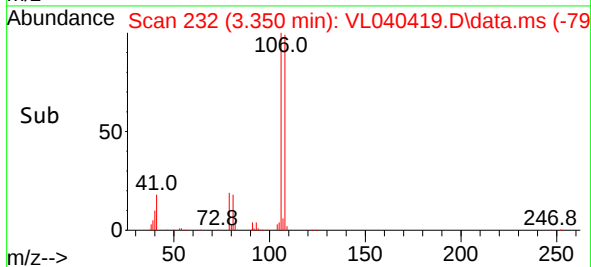
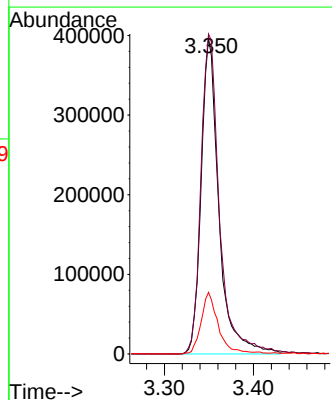
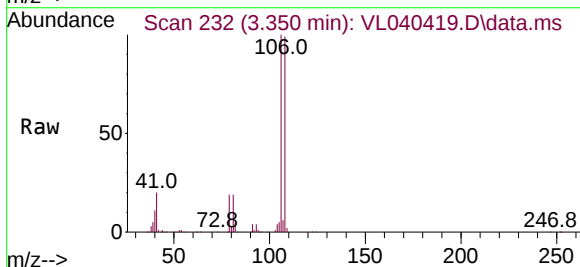
Manual Integrations
APPROVED

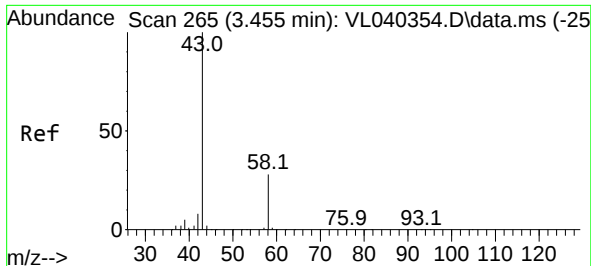
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#14
Bromoethene
Concen: 9.910 ppbv
RT: 3.350 min Scan# 232
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion:108 Resp: 549042
Ion Ratio Lower Upper
108 100
106 106.7 88.3 132.5
79 19.5 16.1 24.1





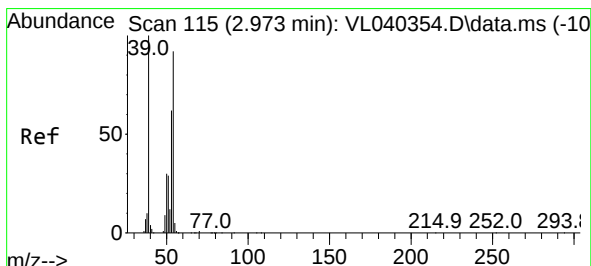
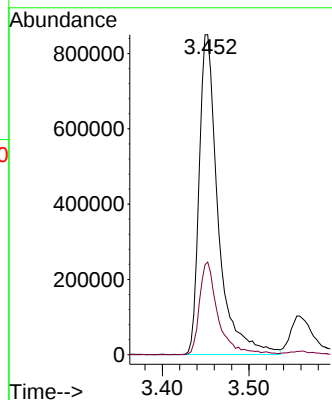
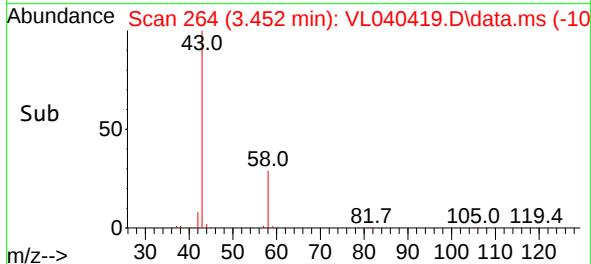
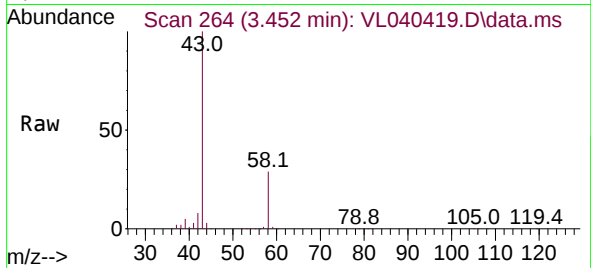
#15
Acetone
Concen: 8.606 ppbv
RT: 3.452 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 129366
Ion Ratio Lower Upper
43 100
58 28.4 22.2 33.2

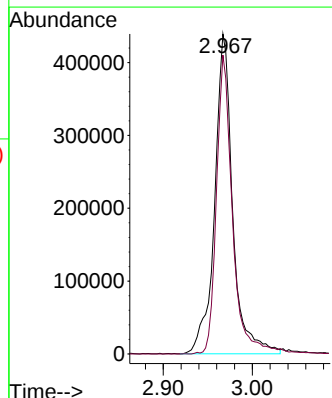
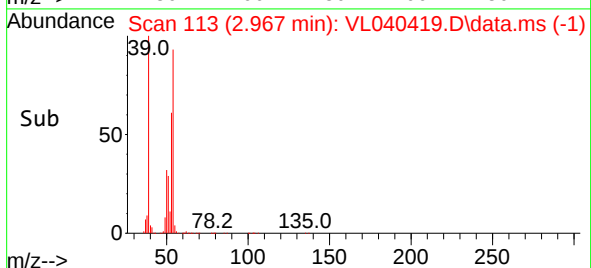
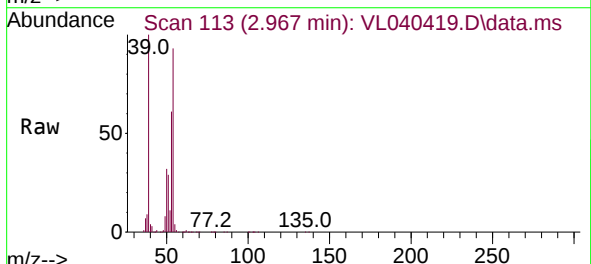
Manual Integrations
APPROVED

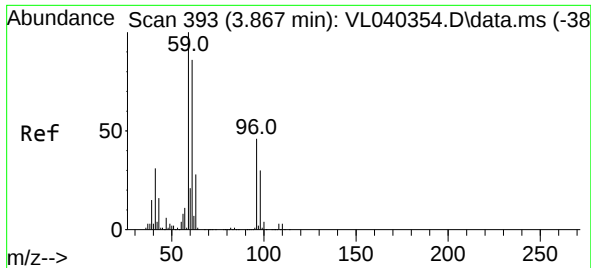
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#16
1,3-Butadiene
Concen: 9.945 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 39 Resp: 618702
Ion Ratio Lower Upper
39 100
54 83.3 68.8 103.2





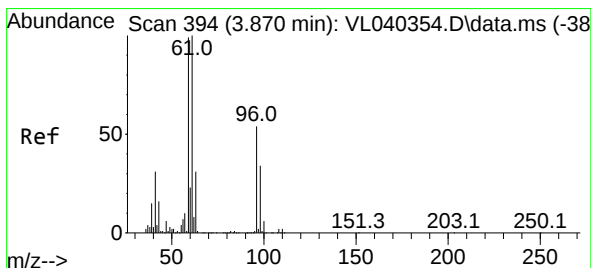
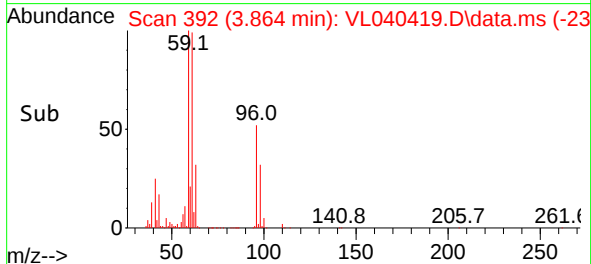
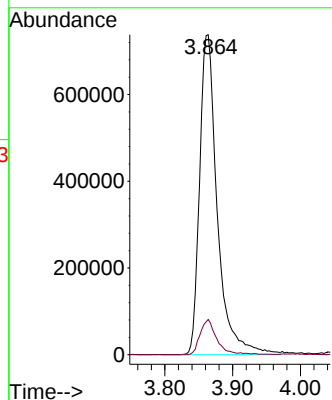
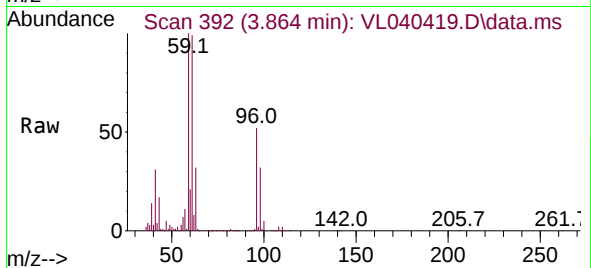
#17
tert-Butyl alcohol
Concen: 9.678 ppbv
RT: 3.864 min Scan# 392
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 133593
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

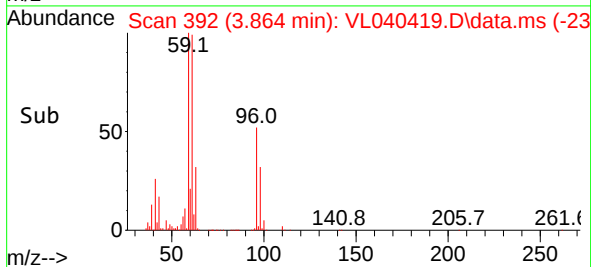
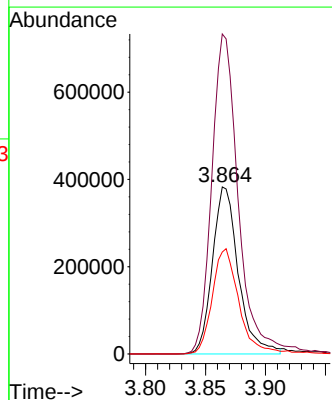
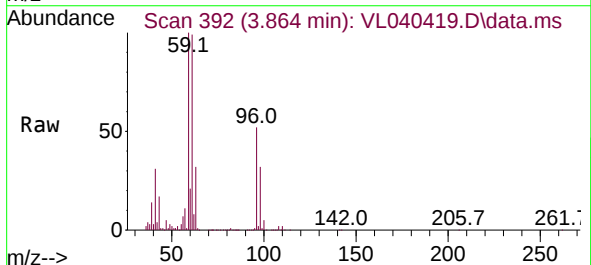
Manual Integrations
APPROVED

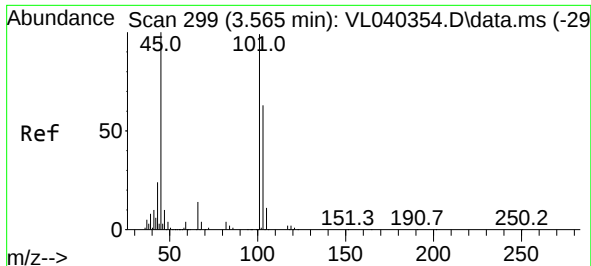
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#18
1,1-Dichloroethene
Concen: 9.427 ppbv
RT: 3.864 min Scan# 392
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 96 Resp: 576054
Ion Ratio Lower Upper
96 100
61 191.5 148.3 222.5
98 61.0 49.8 74.8





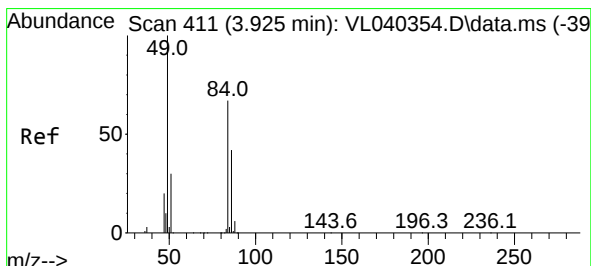
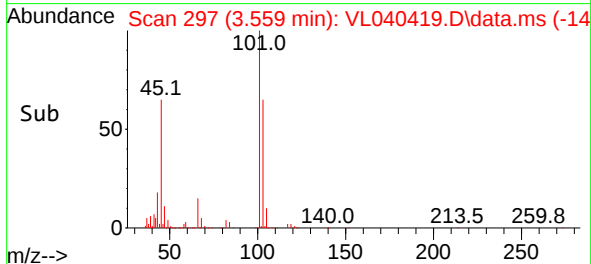
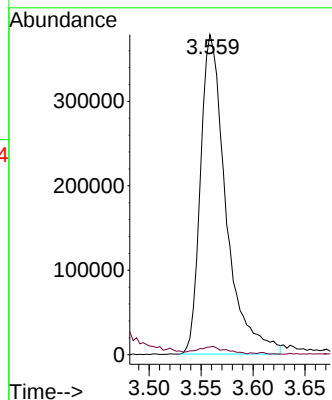
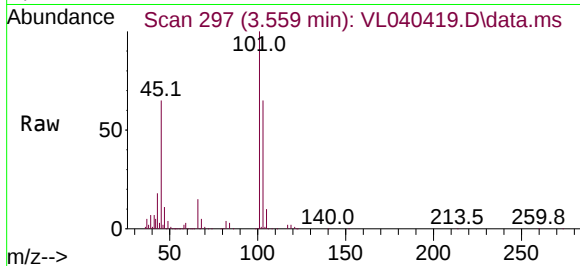
#19
Isopropyl Alcohol
Concen: 9.400 ppbv
RT: 3.559 min Scan# 299
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 644772
Ion Ratio Lower Upper
45 100
58 3.1 2.6 4.0

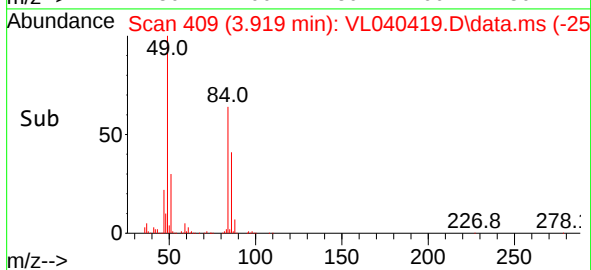
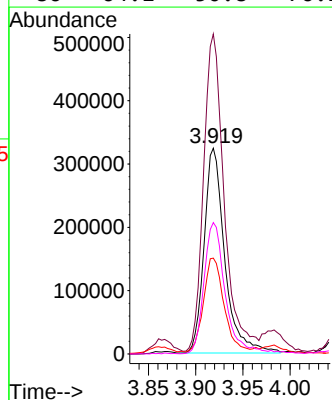
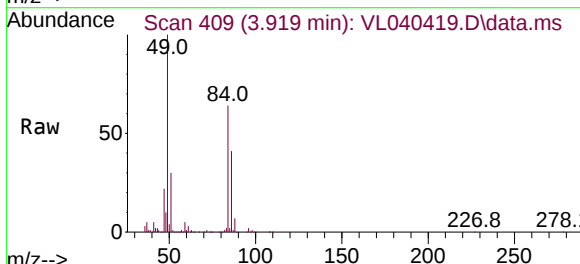
Manual Integrations
APPROVED

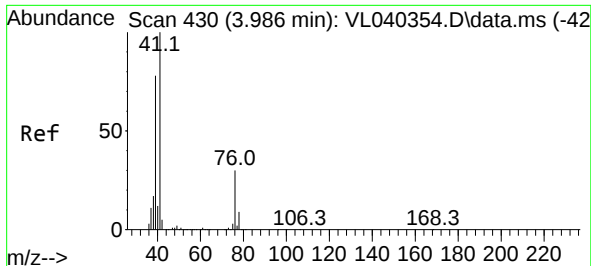
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#20
Methylene Chloride
Concen: 8.219 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

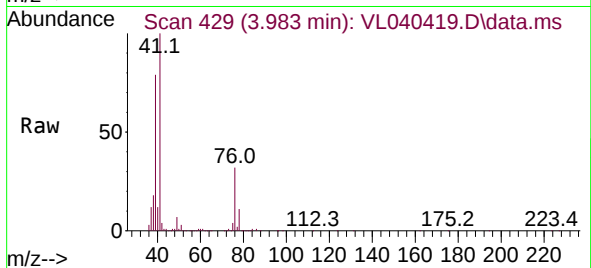
Tgt Ion: 84 Resp: 493281
Ion Ratio Lower Upper
84 100
49 154.2 120.1 180.1
51 45.6 36.3 54.5
86 64.1 50.8 76.2





#21
 Allyl Chloride
 Concen: 9.760 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

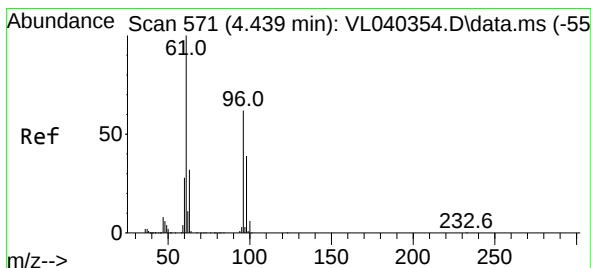
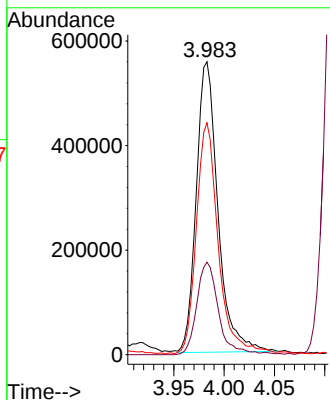
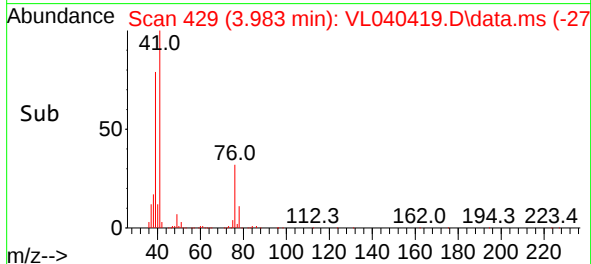
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 833690
 Ion Ratio Lower Upper
 41 100
 76 32.1 25.5 38.3
 39 80.8 64.0 96.0

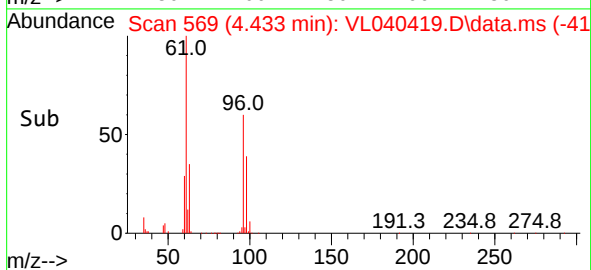
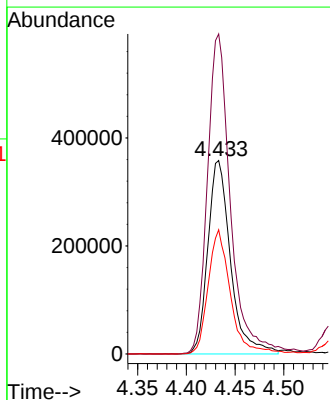
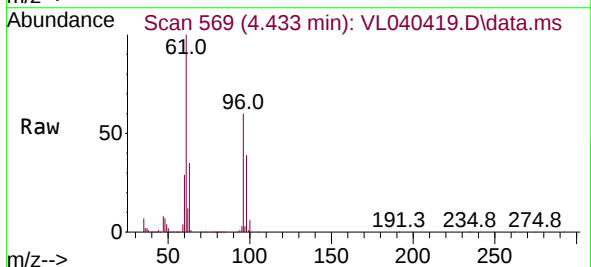
Manual Integrations
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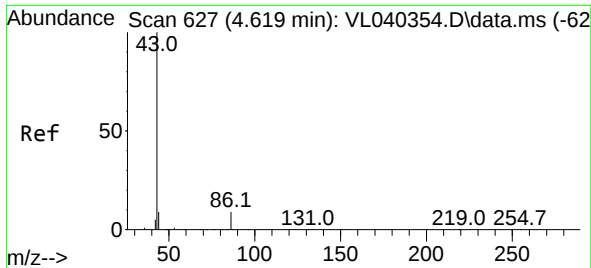
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#22
 trans-1,2-Dichloroethene
 Concen: 9.527 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

Tgt Ion: 96 Resp: 582036
 Ion Ratio Lower Upper
 96 100
 61 165.4 129.4 194.2
 98 64.1 51.0 76.4





#23
 Vinyl Acetate
 Concen: 10.121 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

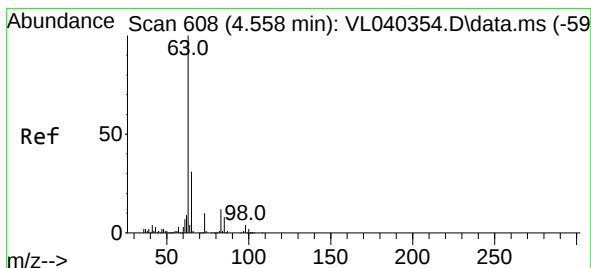
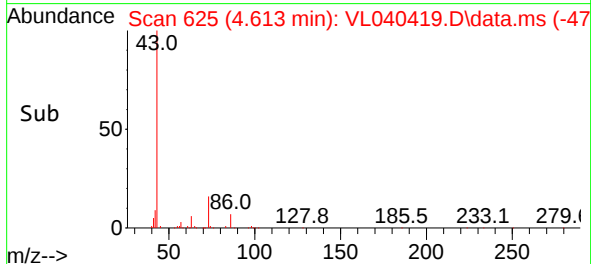
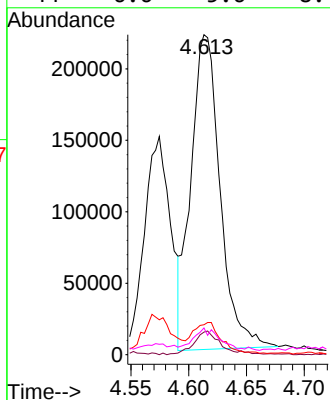
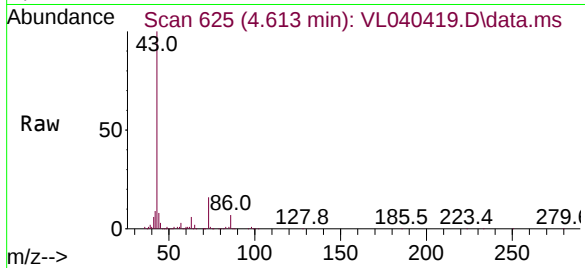
VSTDCCC010

Tgt Ion: 43 Resp: 38736
 Ion Ratio Lower Upper
 43 100
 86 7.0 6.0 9.0
 42 9.1 6.4 9.6
 44 6.6 5.6 8.4

Manual Integrations

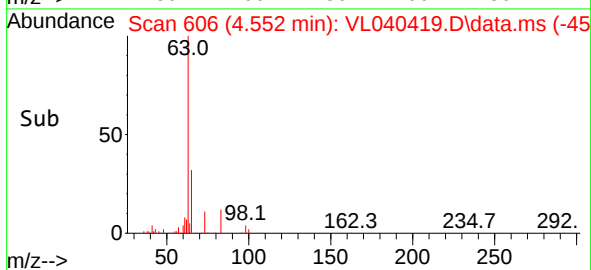
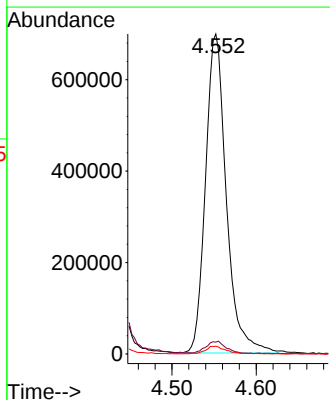
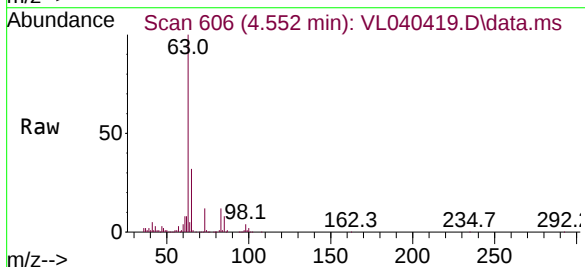
APPROVED

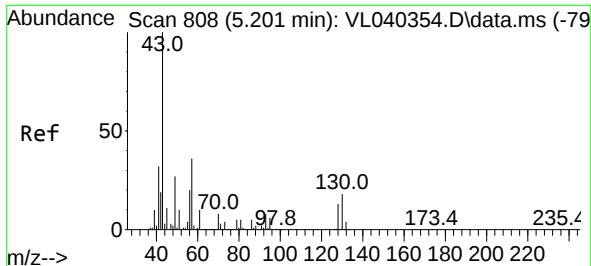
Reviewed By :Semsettin Yesilyurt 05/16/2023
 Supervised By :Mahesh Dadoda 05/16/2023



#24
 1,1-Dichloroethane
 Concen: 9.409 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. -0.006 min
 Lab File: VL040419.D
 Acq: 12 May 2023 15:29

Tgt Ion: 63 Resp: 1198436
 Ion Ratio Lower Upper
 63 100
 98 3.5 2.1 6.2
 100 2.4 1.2 3.6





#25

Ethyl Acetate

Concen: 9.666 ppbv

RT: 5.195 min Scan# 806

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2445084

Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 10.7 8.5 12.7

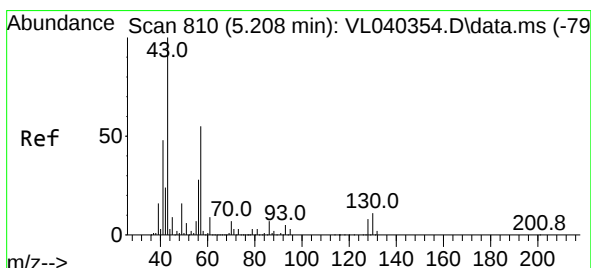
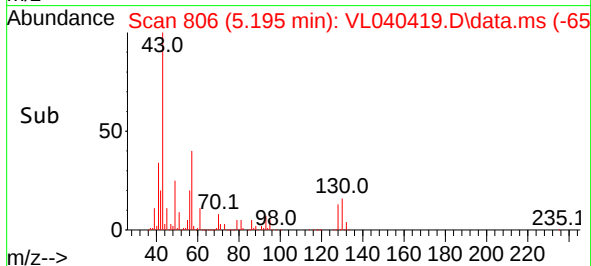
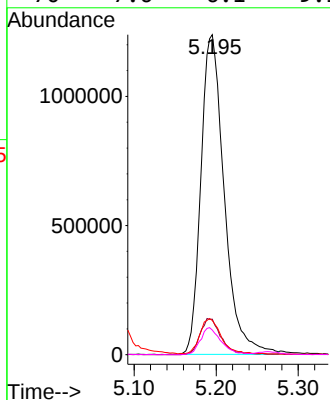
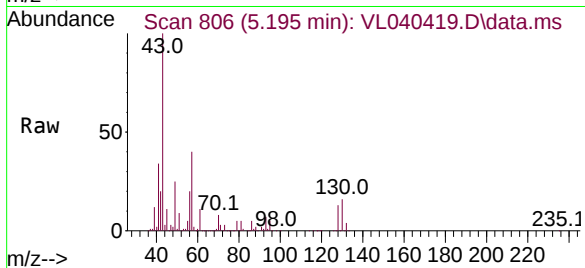
70 7.6 6.1 9.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#26

Hexane

Concen: 9.776 ppbv

RT: 5.202 min Scan# 808

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Tgt Ion: 57 Resp: 1042443

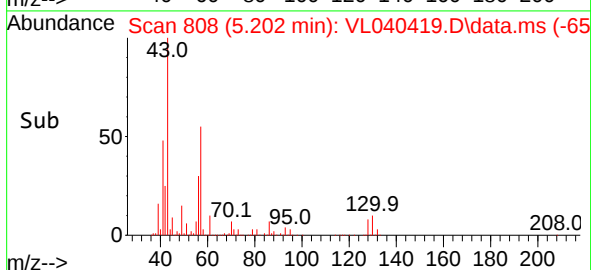
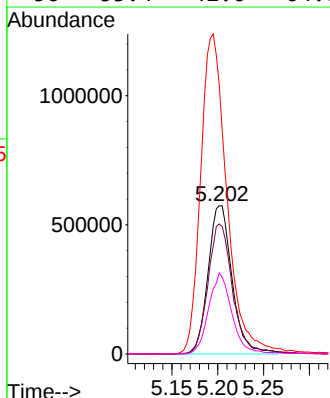
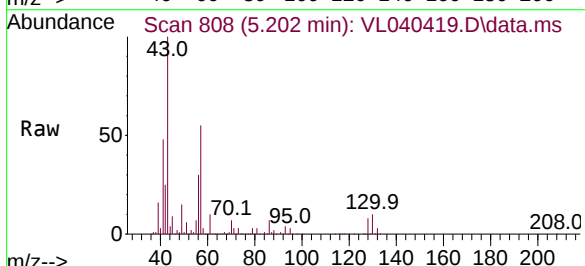
Ion Ratio Lower Upper

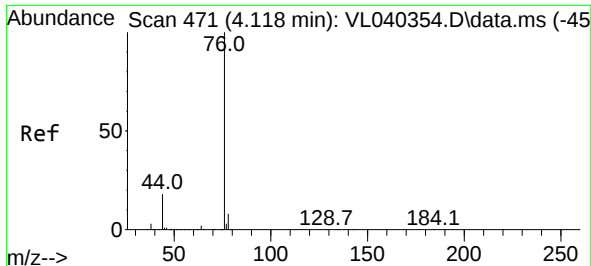
57 100

41 91.6 74.8 112.2

43 237.9 192.7 289.1

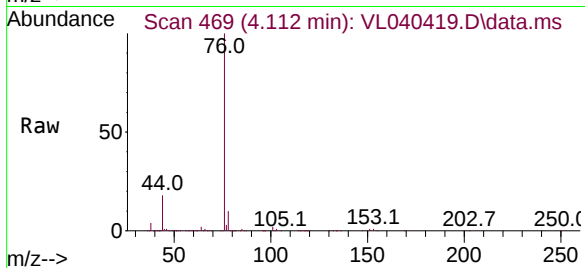
56 53.4 42.6 64.0





#27
Carbon Disulfide
Concen: 10.327 ppbv
RT: 4.112 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

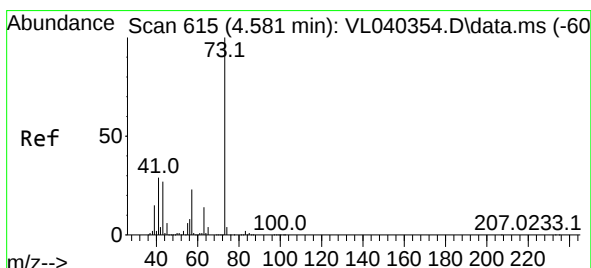
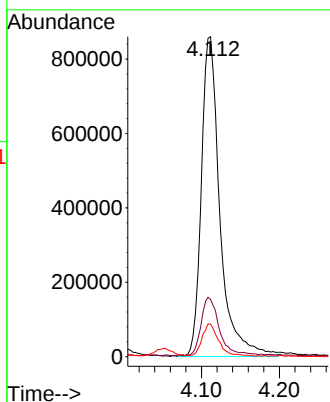
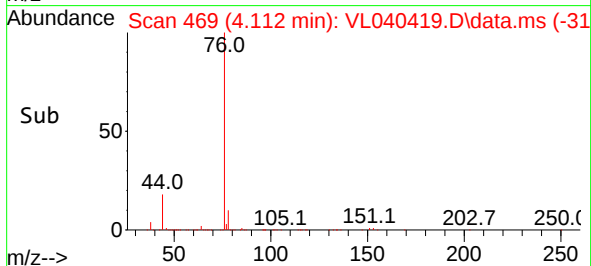
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



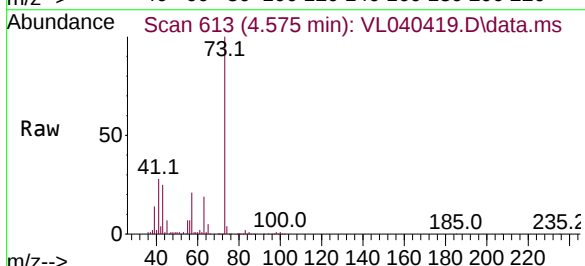
Tgt Ion: 76 Resp: 142519
Ion Ratio Lower Upper
76 100
44 18.6 14.7 22.1
78 9.9 7.7 11.5

Manual Integrations
APPROVED

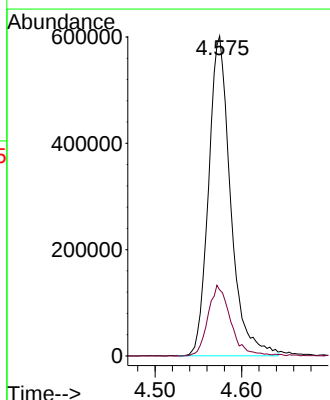
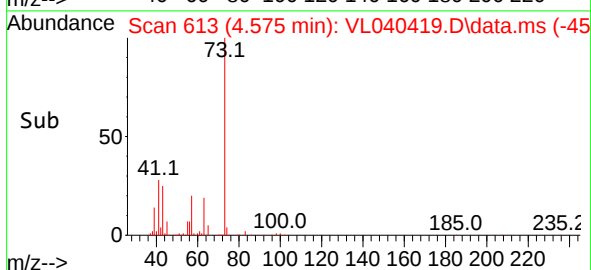
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

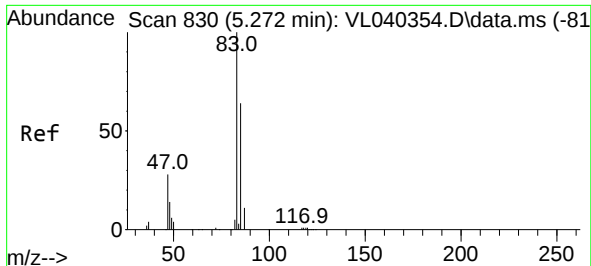


#28
Methyl tert-Butyl Ether
Concen: 9.654 ppbv
RT: 4.575 min Scan# 613
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29



Tgt Ion: 73 Resp: 1062722
Ion Ratio Lower Upper
73 100
57 23.1 18.6 27.8





#29

Chloroform

Concen: 9.474 ppbv

RT: 5.263 min Scan# 81

Delta R.T. -0.009 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 1799720

Ion Ratio Lower Upper

83 100

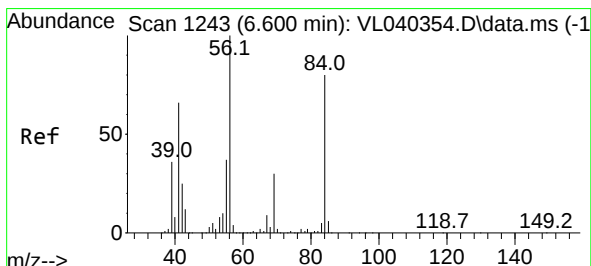
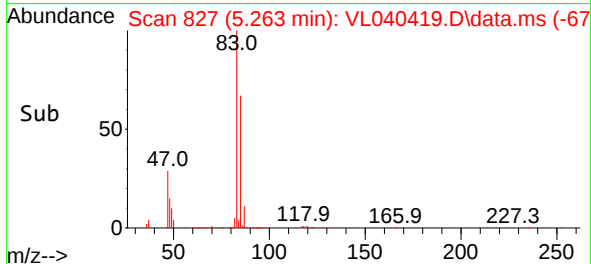
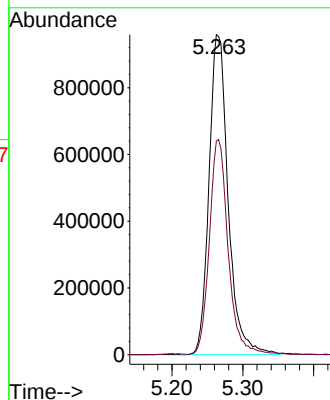
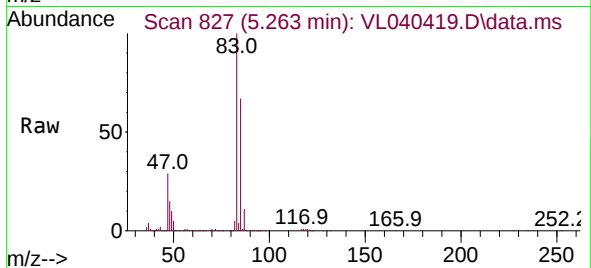
85 66.5 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#30

Cyclohexane

Concen: 10.613 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

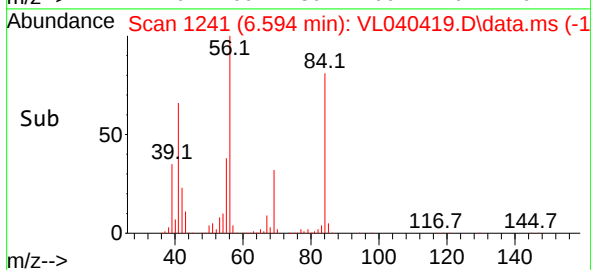
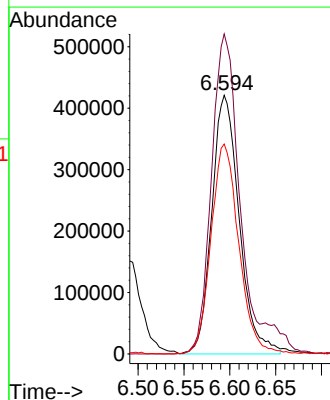
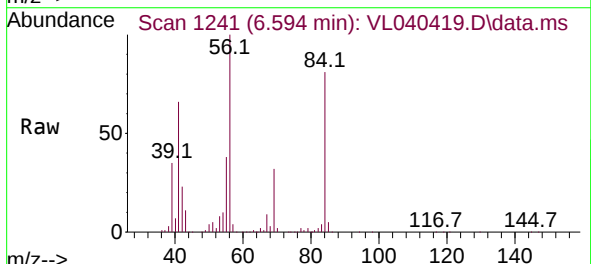
Tgt Ion: 84 Resp: 876562

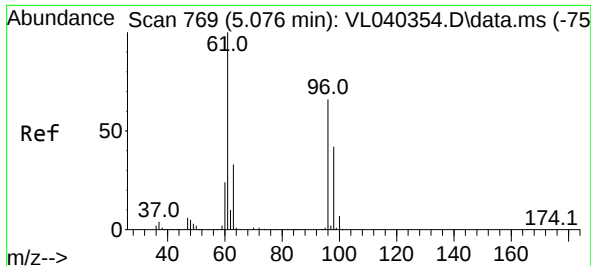
Ion Ratio Lower Upper

84 100

56 132.1 107.0 160.6

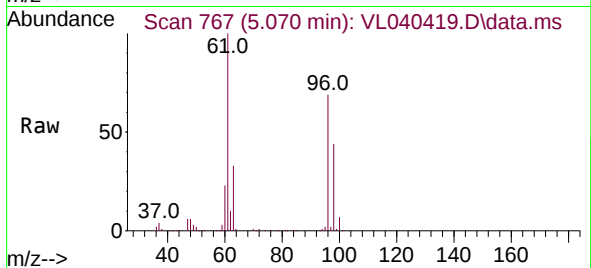
41 82.6 66.7 100.1





#31
cis-1,2-Dichloroethene
Concen: 10.113 ppbv
RT: 5.070 min Scan# 769
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

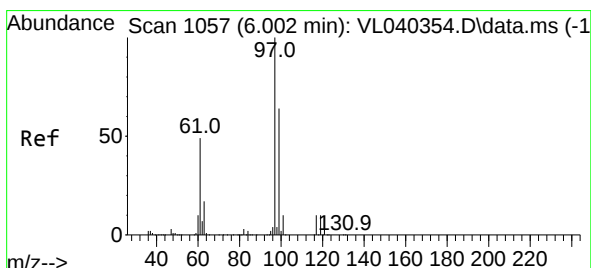
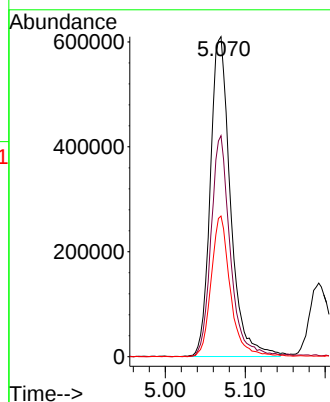
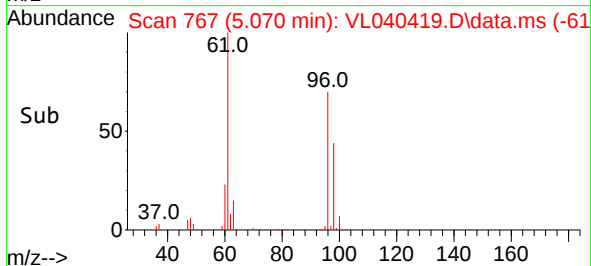
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 61 Resp: 1068902
Ion Ratio Lower Upper
61 100
96 69.0 53.0 79.4
98 43.9 33.8 50.8

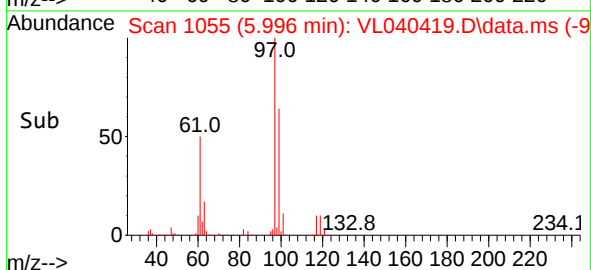
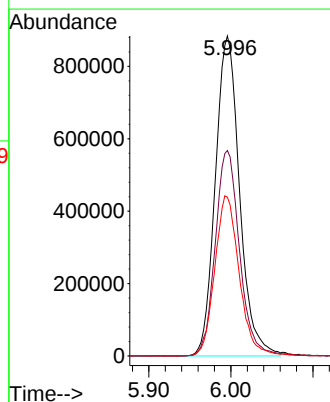
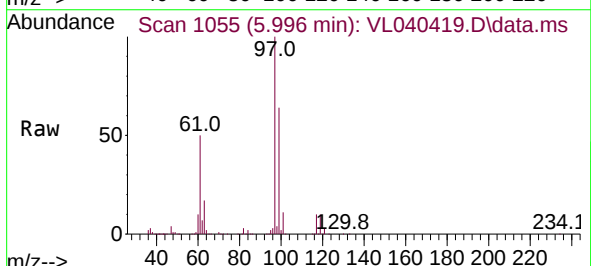
Manual Integrations
APPROVED

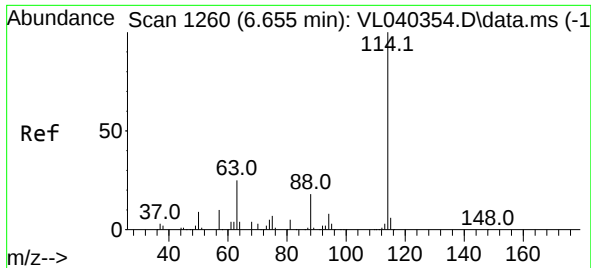
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#32
1,1,1-Trichloroethane
Concen: 9.831 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 97 Resp: 1814502
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 50.8 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 266433

Ion Ratio Lower Upper

114 100

63 26.3 21.4 32.0

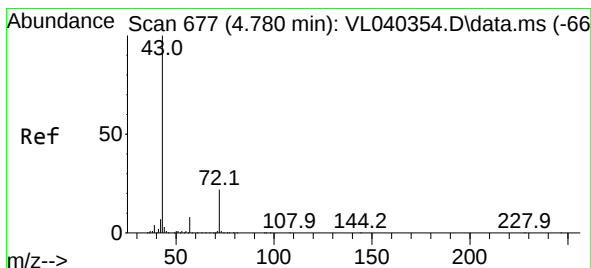
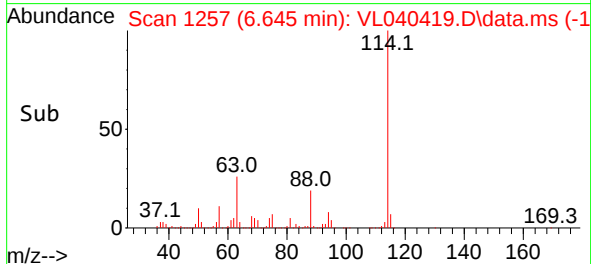
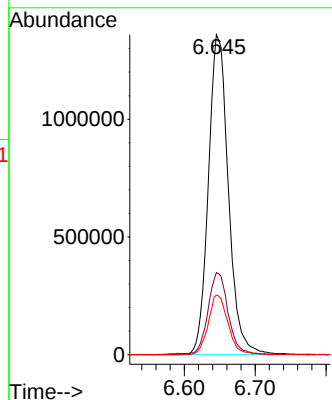
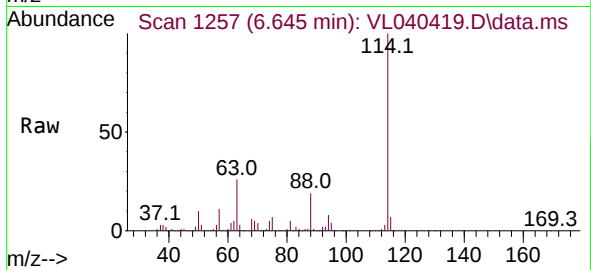
88 18.4 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#34

2-Butanone

Concen: 10.051 ppbv

RT: 4.774 min Scan# 675

Delta R.T. -0.006 min

Lab File: VL040419.D

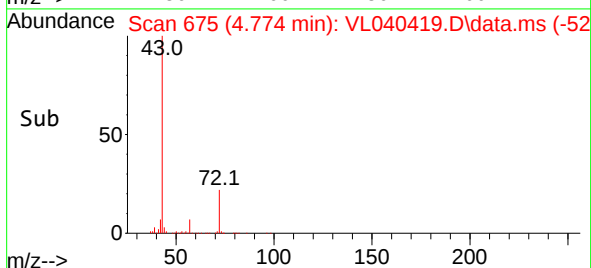
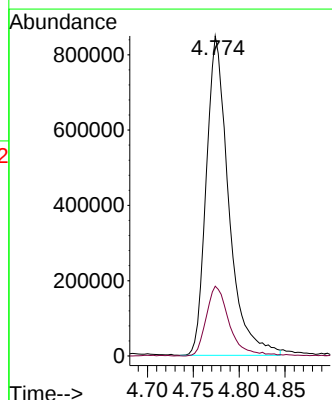
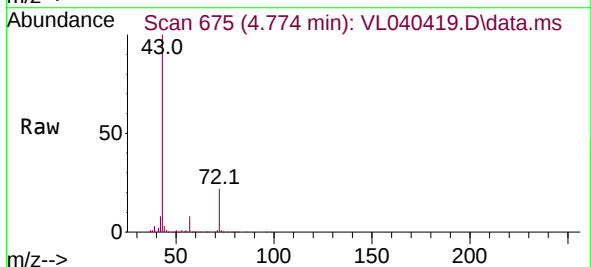
Acq: 12 May 2023 15:29

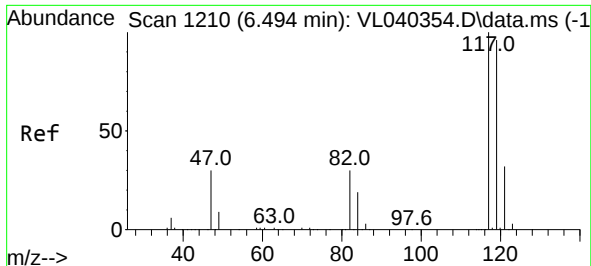
Tgt Ion: 43 Resp: 1444005

Ion Ratio Lower Upper

43 100

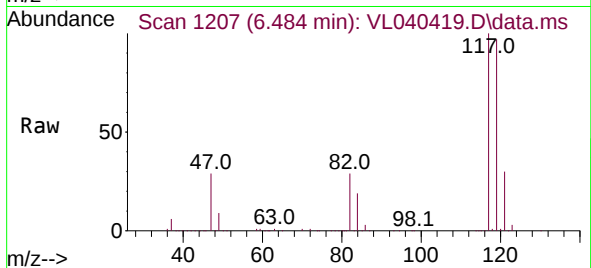
72 22.4 18.4 27.6





#35
Carbon Tetrachloride
Concen: 9.960 ppbv
RT: 6.484 min Scan# 1170
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

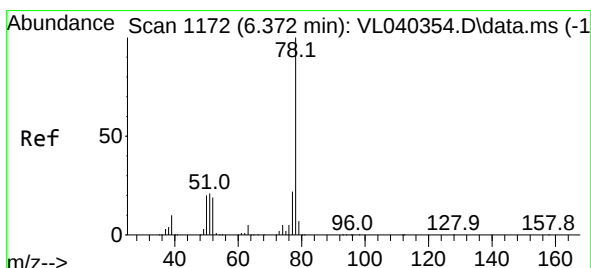
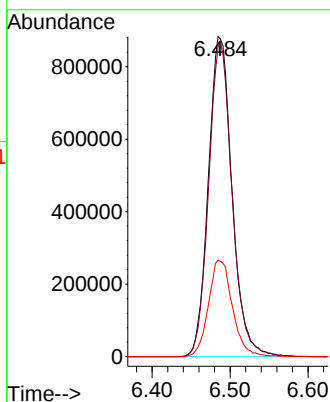
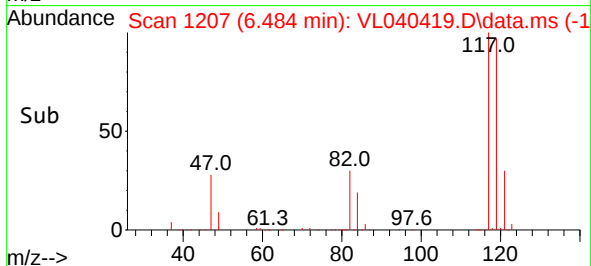
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 117 Resp: 1867960
Ion Ratio Lower Upper
117 100
119 96.8 76.6 114.8
121 30.2 25.3 37.9

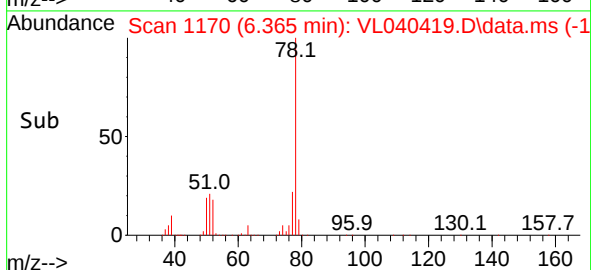
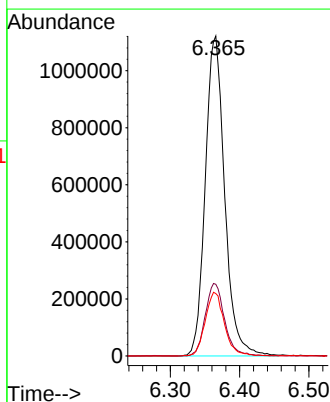
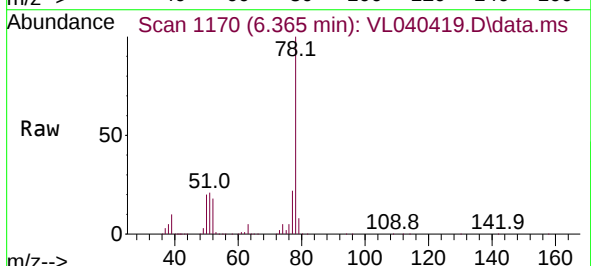
Manual Integrations
APPROVED

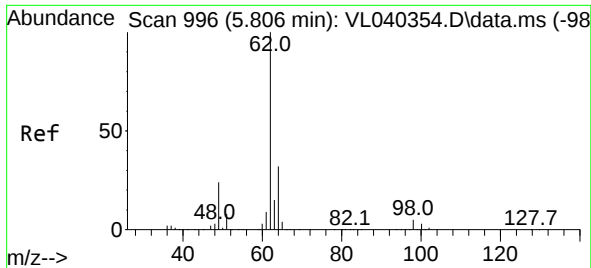
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#36
Benzene
Concen: 10.018 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

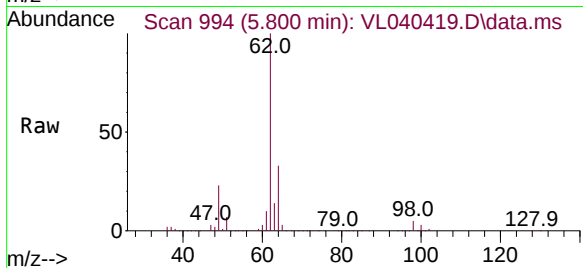
Tgt Ion: 78 Resp: 2177662
Ion Ratio Lower Upper
78 100
77 22.4 17.8 26.8
50 19.5 15.6 23.4





#37
1,2-Dichloroethane
Concen: 9.855 ppbv
RT: 5.800 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

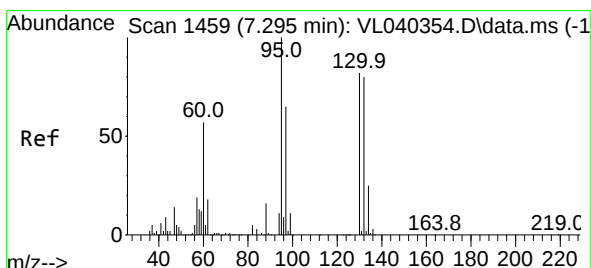
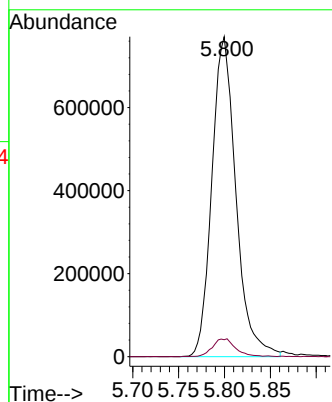
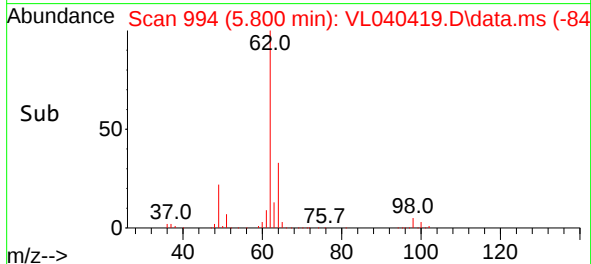
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



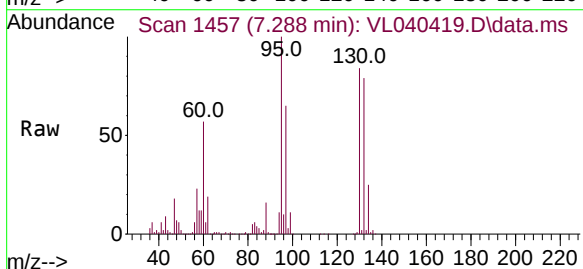
Tgt Ion: 62 Resp: 140713
Ion Ratio Lower Upper
62 100
98 5.5 4.4 6.6

Manual Integrations
APPROVED

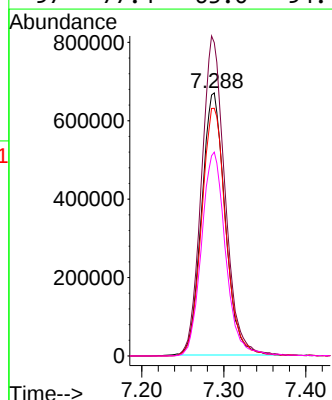
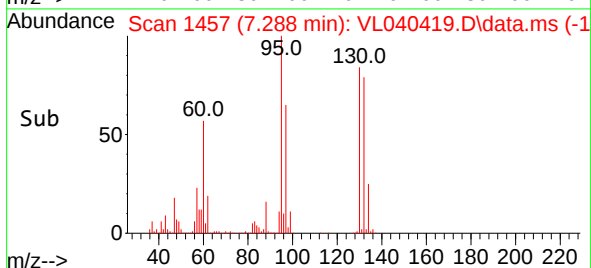
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

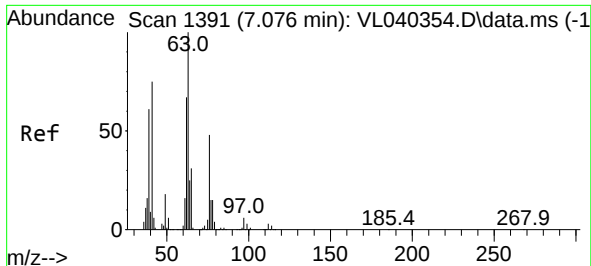


#38
Trichloroethene
Concen: 10.750 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29



Tgt Ion:130 Resp: 1329962
Ion Ratio Lower Upper
130 100
95 119.2 97.4 146.0
132 94.2 77.5 116.3
97 77.4 63.0 94.4





#39

1,2-Dichloropropane

Concen: 9.790 ppbv

RT: 7.066 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

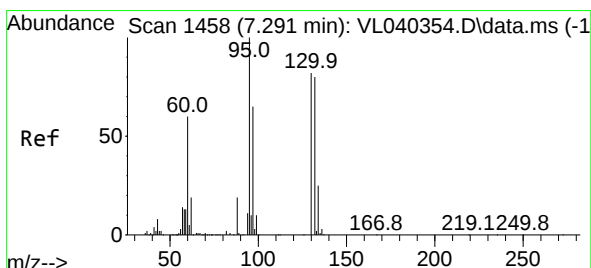
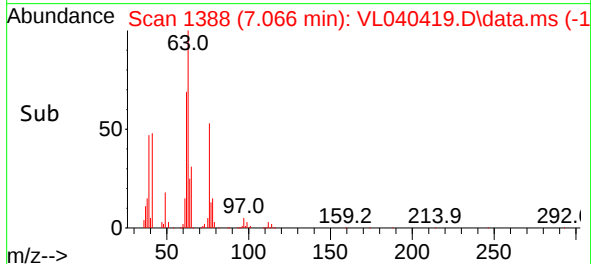
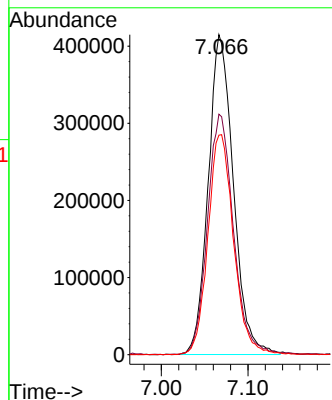
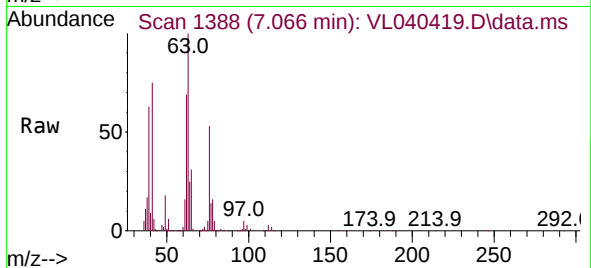
Tgt Ion: 63 Resp: 837379

Ion	Ratio	Lower	Upper
63	100		
41	75.0	59.6	89.4
62	68.4	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#40

1,4-Dioxane

Concen: 9.592 ppbv

RT: 7.285 min Scan# 1456

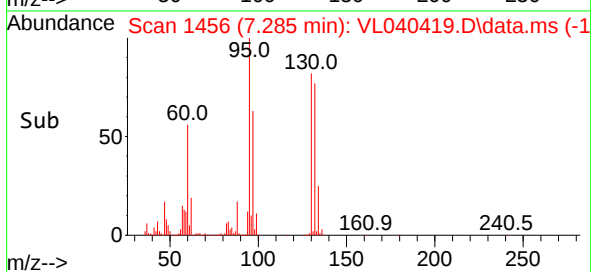
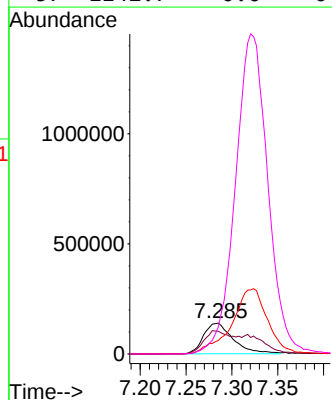
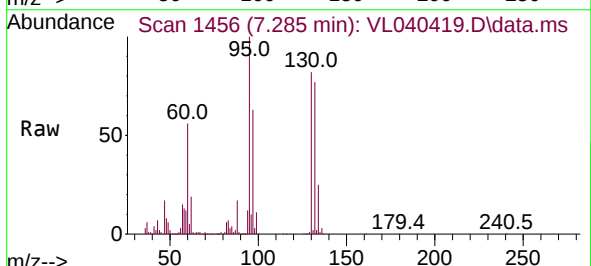
Delta R.T. -0.006 min

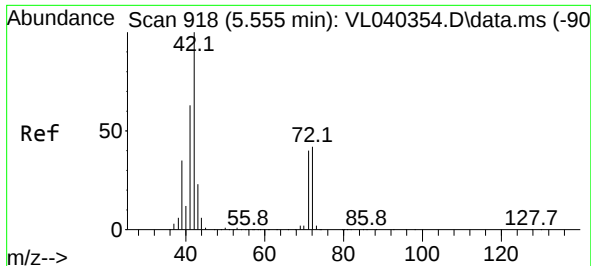
Lab File: VL040419.D

Acq: 12 May 2023 15:29

Tgt Ion: 88 Resp: 314226

Ion	Ratio	Lower	Upper
88	100		
58	127.1	100.8	151.2
43	257.1	0.0	0.0#
57	1142.7	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.430 ppbv

RT: 5.546 min Scan# 918

Delta R.T. -0.009 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

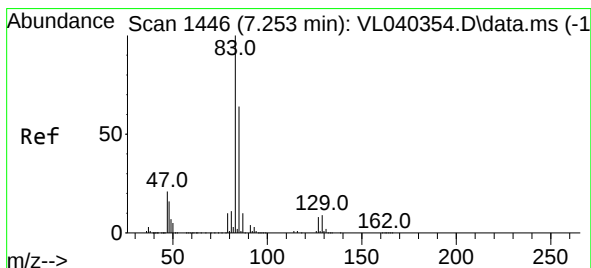
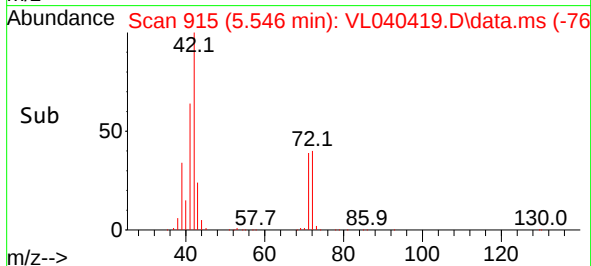
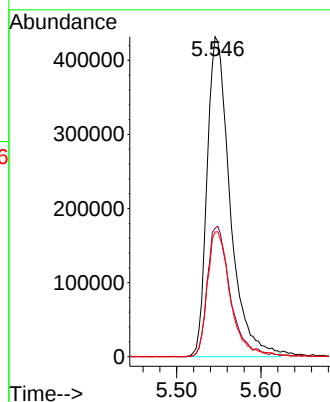
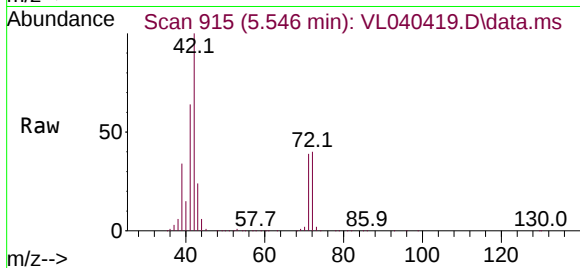
VSTDCCC010

Tgt Ion:	42	Resp:	82067
Ion Ratio	Lower	Upper	
42	100		
72	41.1	33.7	50.5
71	39.7	32.2	48.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#42

Bromodichloromethane

Concen: 10.106 ppbv

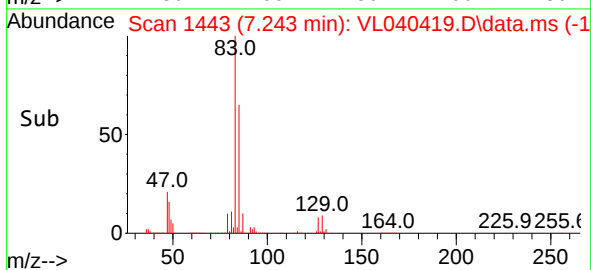
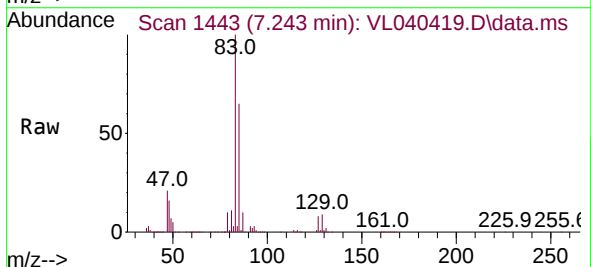
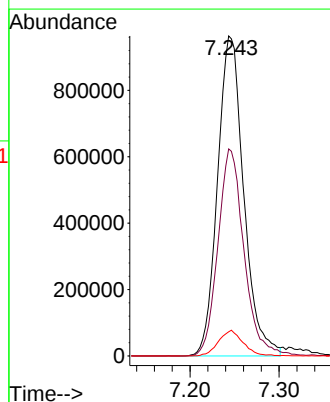
RT: 7.243 min Scan# 1443

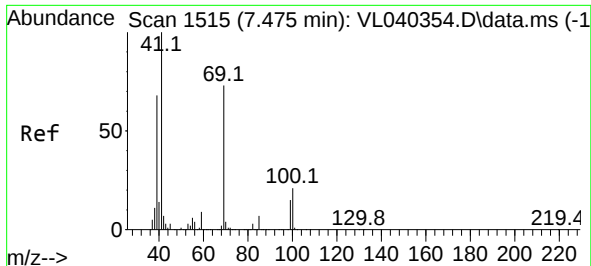
Delta R.T. -0.010 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

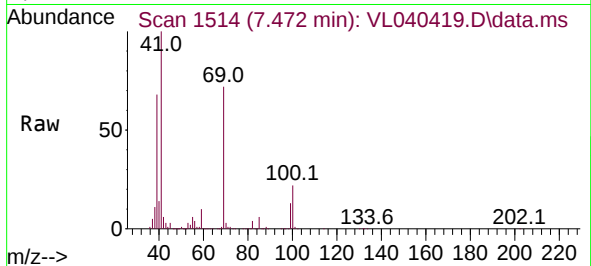
Tgt Ion:	83	Resp:	1970541
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.9	76.3
127	7.5	6.4	9.6





#43
Methyl Methacrylate
Concen: 11.020 ppbv
RT: 7.472 min Scan# 1467
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

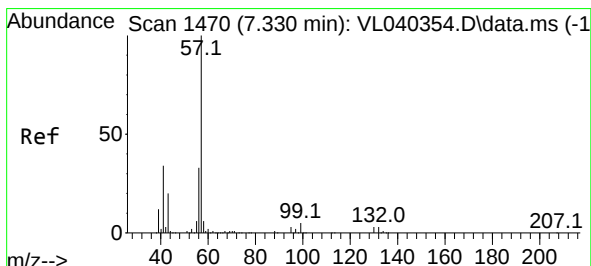
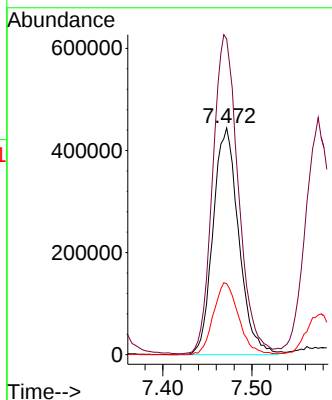
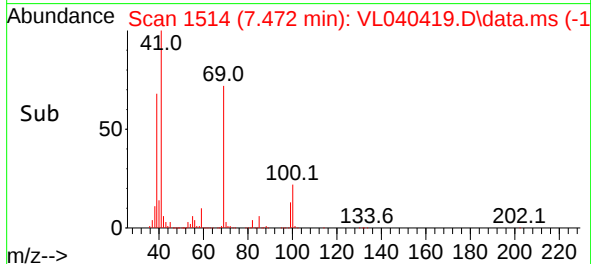
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



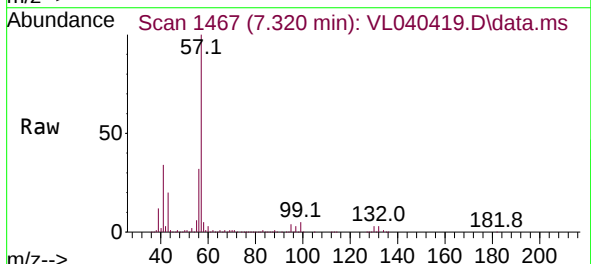
Tgt Ion: 69 Resp: 889705
Ion Ratio Lower Upper
69 100
41 140.9 114.3 171.5
100 31.0 24.5 36.7

Manual Integrations
APPROVED

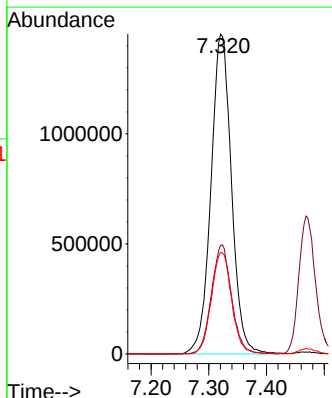
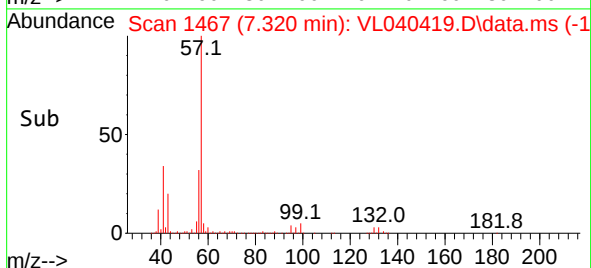
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

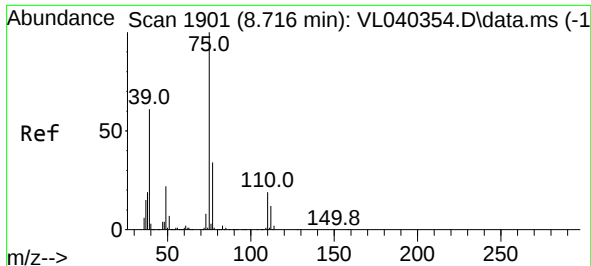


#44
2,2,4-Trimethylpentane
Concen: 9.883 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29



Tgt Ion: 57 Resp: 3588340
Ion Ratio Lower Upper
57 100
41 33.6 26.9 40.3
56 31.4 25.1 37.7





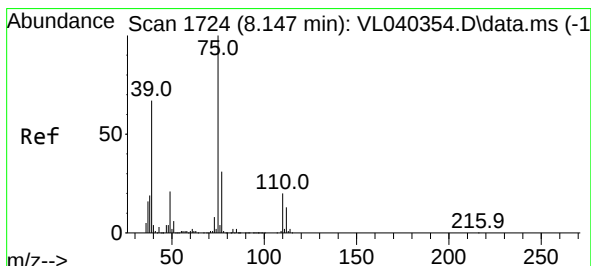
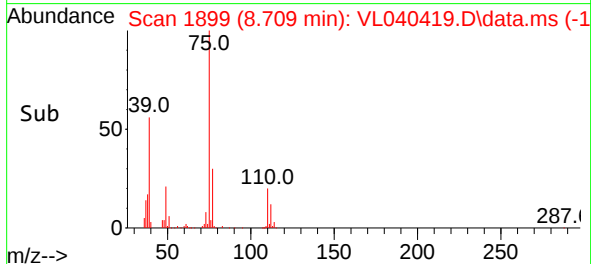
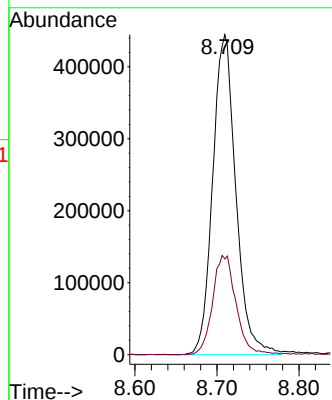
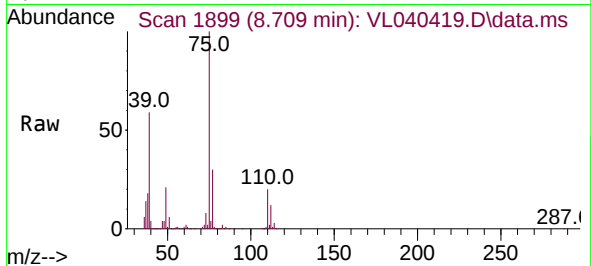
#45
t-1,3-Dichloropropene
Concen: 12.093 ppbv
RT: 8.709 min Scan# 1899
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 872117
Ion Ratio Lower Upper
75 100
77 29.9 26.8 40.2

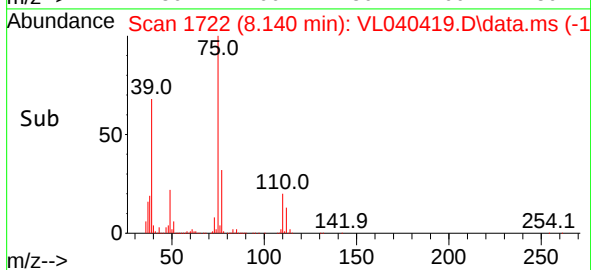
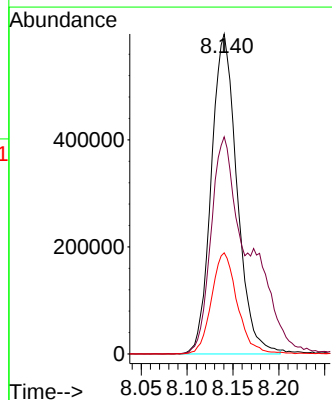
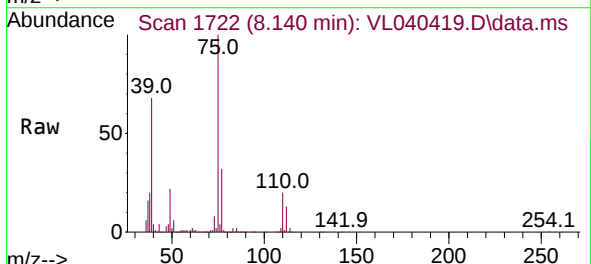
Manual Integrations
APPROVED

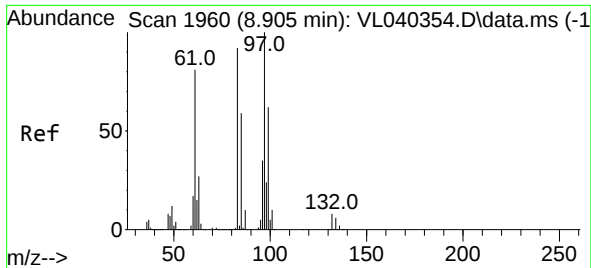
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#46
cis-1,3-Dichloropropene
Concen: 11.624 ppbv
RT: 8.140 min Scan# 1722
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 75 Resp: 1166813
Ion Ratio Lower Upper
75 100
39 67.8 53.4 80.2
77 31.6 24.7 37.1





#47
1,1,2-Trichloroethane
Concen: 9.934 ppbv
RT: 8.896 min Scan# 1960
Delta R.T. -0.009 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

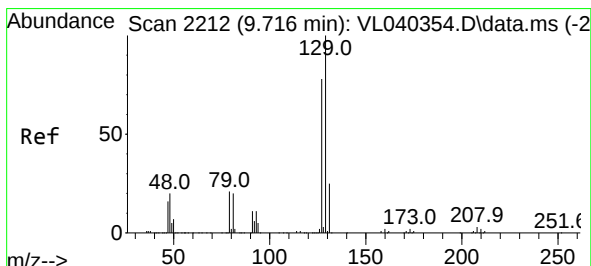
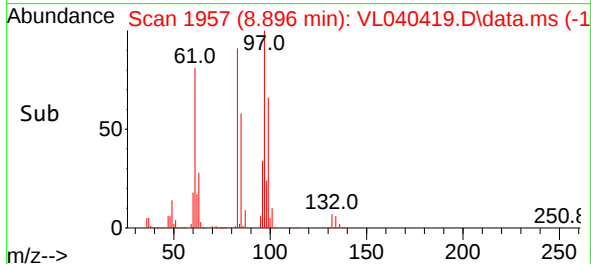
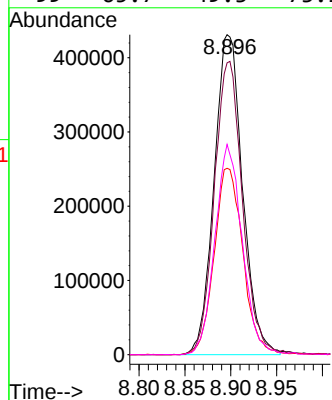
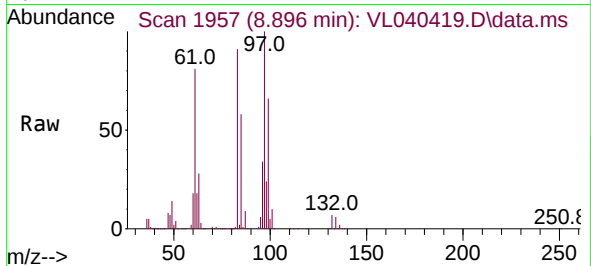
VSTDCCC010

Tgt Ion: 97 Resp: 93160
Ion Ratio Lower Upper
97 100
83 91.1 73.3 109.9
85 58.2 46.9 70.3
99 65.7 49.3 73.9

Manual Integrations

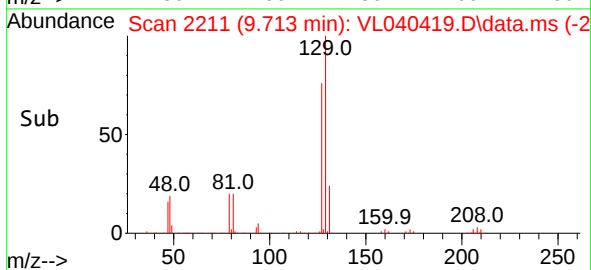
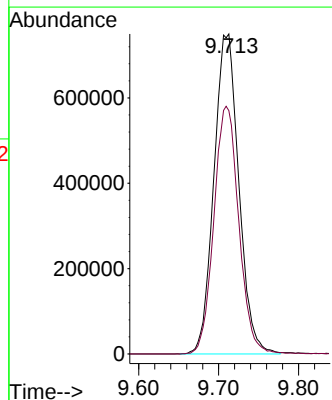
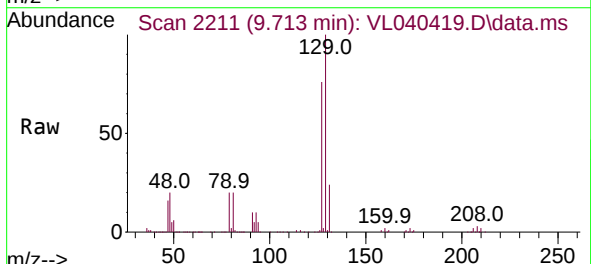
APPROVED

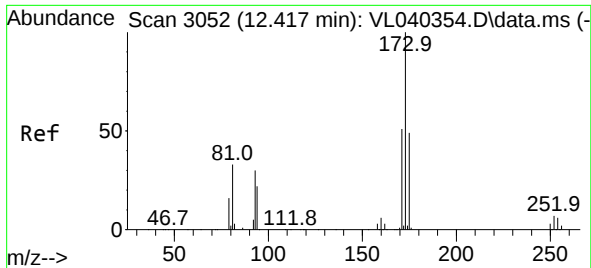
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#48
Dibromochloromethane
Concen: 10.745 ppbv
RT: 9.713 min Scan# 2211
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

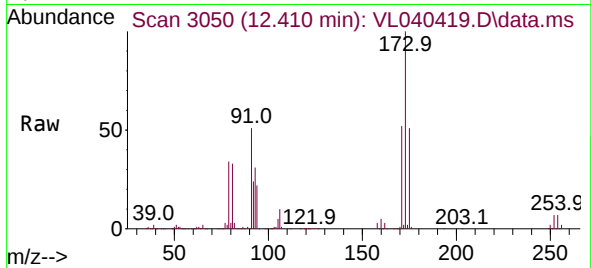
Tgt Ion:129 Resp: 1622780
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6





#49
Bromoform
Concen: 11.144 ppbv
RT: 12.410 min Scan# 3052
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

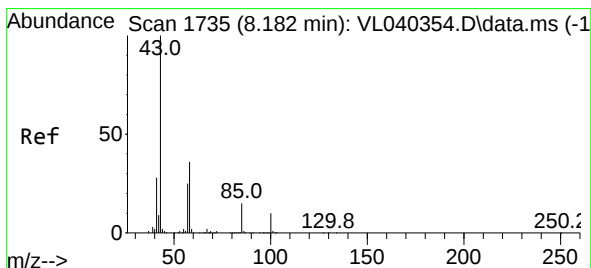
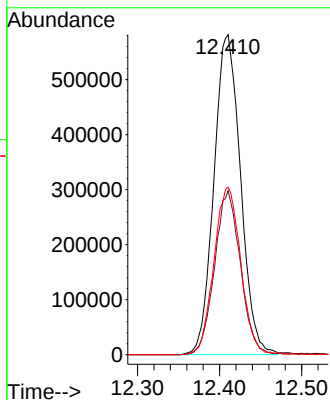
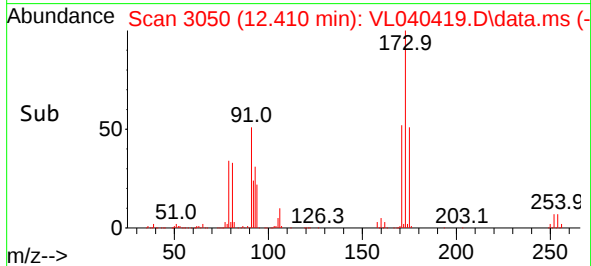
Instrument : MSVOA_L
ClientSampleId : VSTDCCC010



Tgt Ion: 173 Resp: 1312710
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.8
171 52.9 42.2 63.2

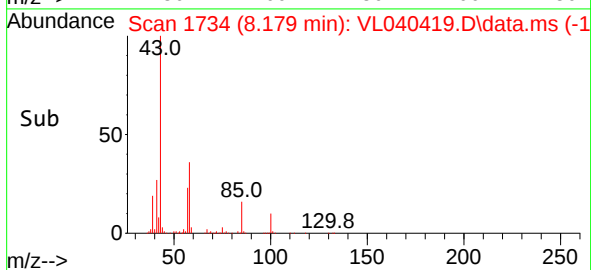
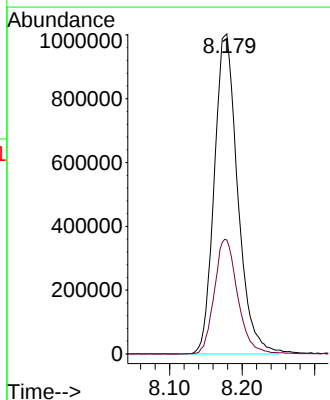
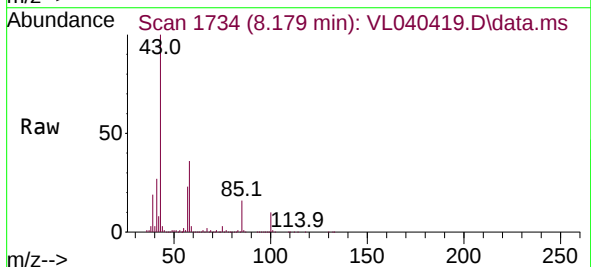
Manual Integrations
APPROVED

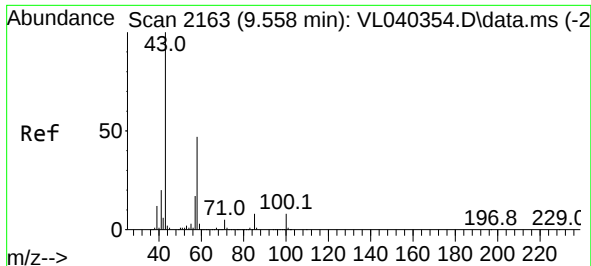
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#50
4-Methyl-2-Pentanone
Concen: 10.325 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. -0.003 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

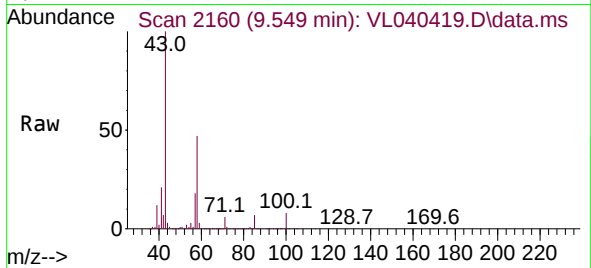
Tgt Ion: 43 Resp: 2249088
Ion Ratio Lower Upper
43 100
58 36.0 28.6 43.0





#51
2-Hexanone
Concen: 10.954 ppbv
RT: 9.549 min Scan# 2163
Delta R.T. -0.009 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

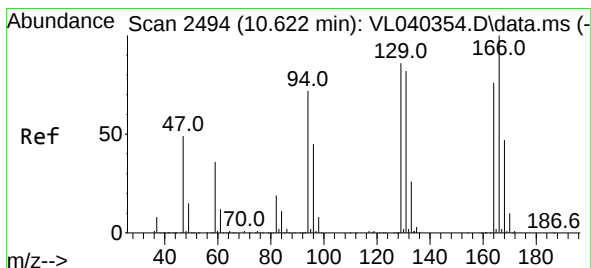
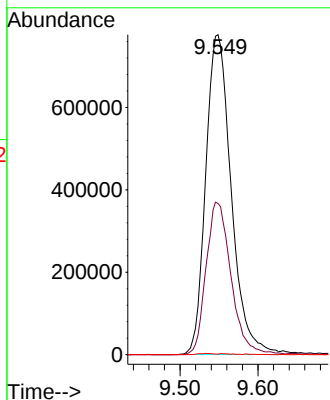
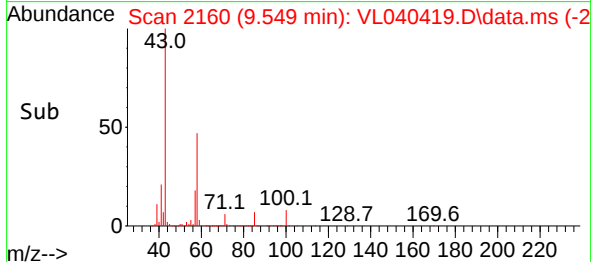
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 176329
Ion Ratio Lower Upper
43 100
58 47.1 38.3 57.5
98 0.4 0.4 0.6

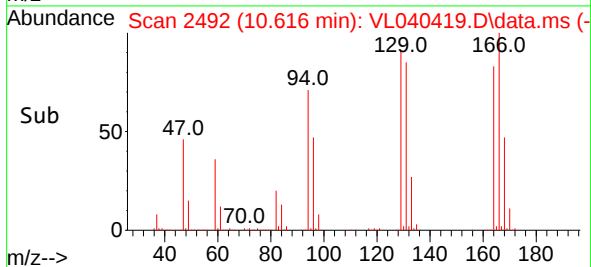
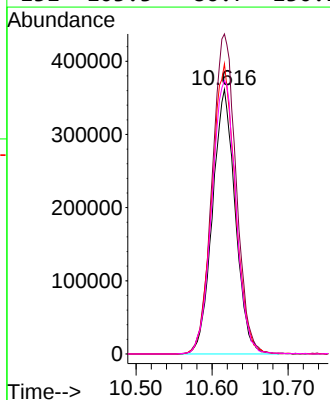
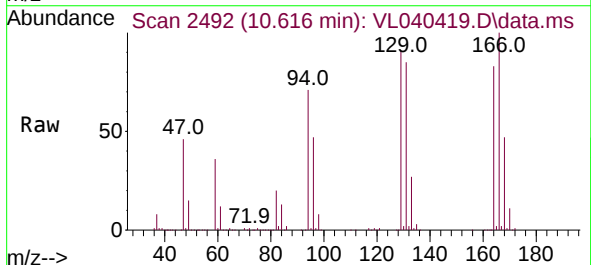
Manual Integrations
APPROVED

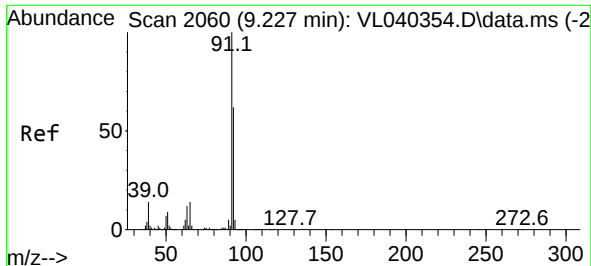
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#52
Tetrachloroethene
Concen: 11.026 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion:164 Resp: 749739
Ion Ratio Lower Upper
164 100
166 121.0 105.2 157.8
129 109.6 90.3 135.5
131 103.3 86.7 130.1





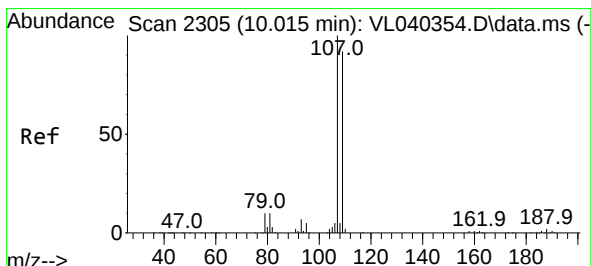
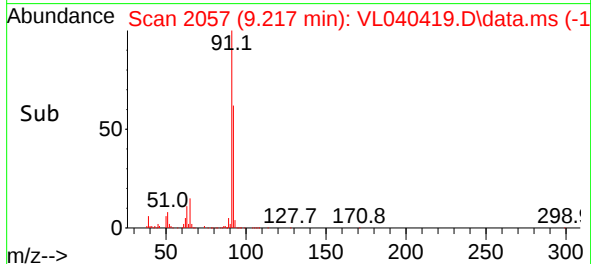
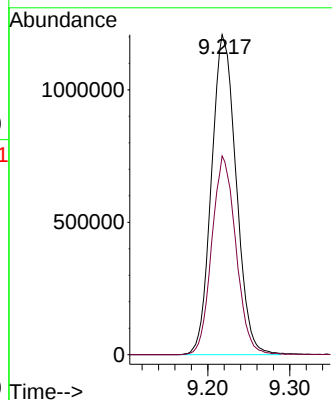
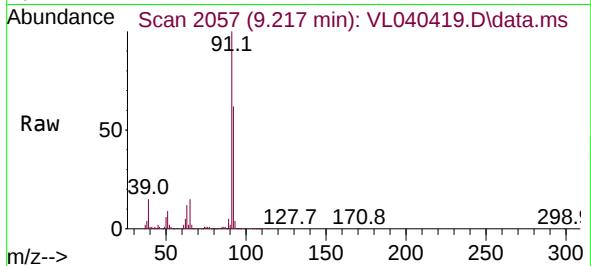
#53
Toluene
Concen: 10.944 ppbv
RT: 9.217 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 252208
Ion Ratio Lower Upper
91 100
92 60.8 48.9 73.3

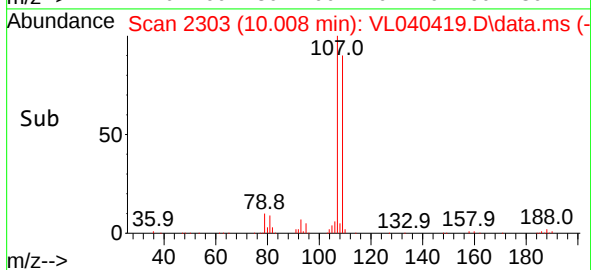
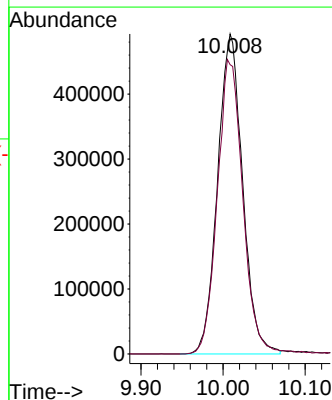
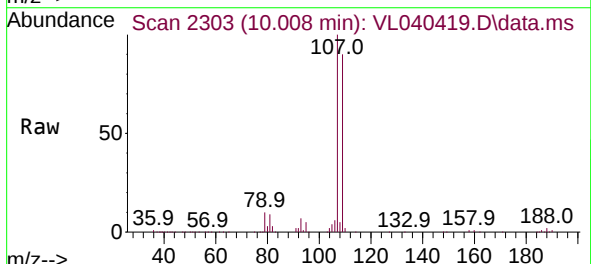
Manual Integrations
APPROVED

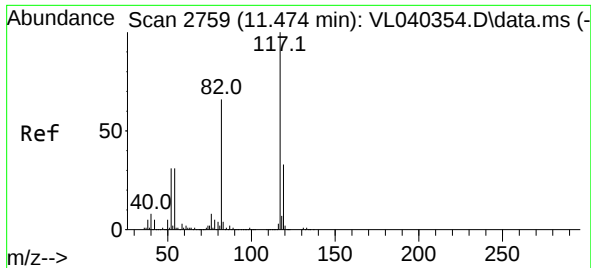
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#54
1,2-Dibromoethane
Concen: 10.946 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion:107 Resp: 1040689
Ion Ratio Lower Upper
107 100
109 90.4 73.6 110.4





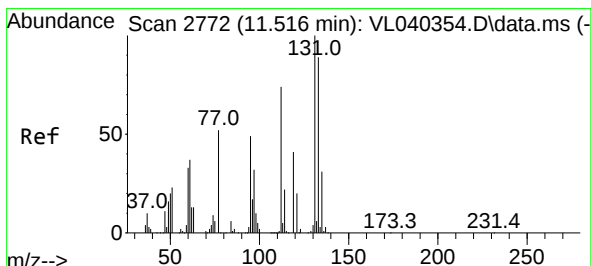
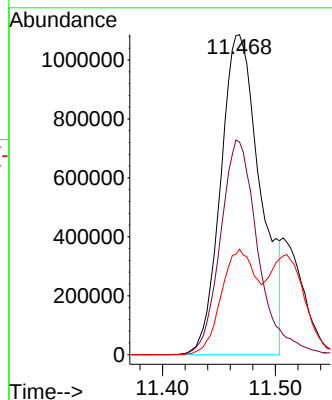
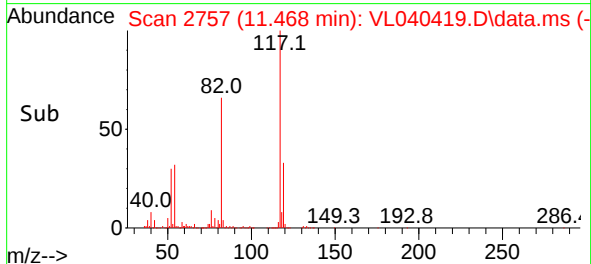
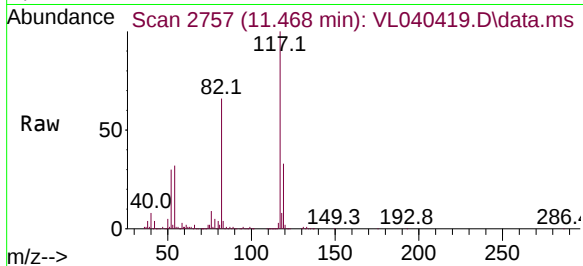
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.468 min Scan# 2759
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2659269
Ion Ratio Lower Upper
117 100
82 63.7 52.5 78.7
119 28.9 24.3 36.5

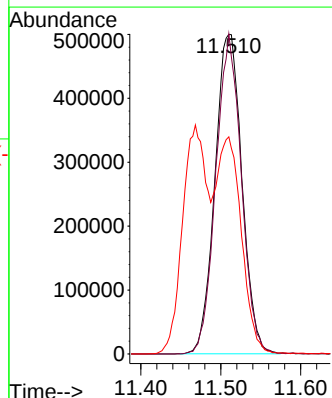
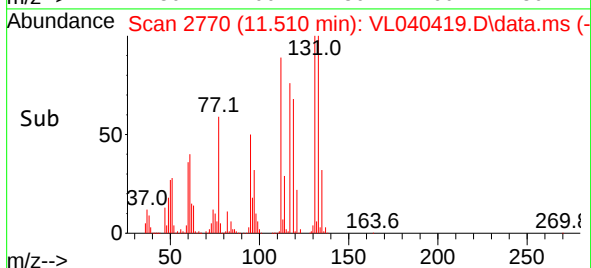
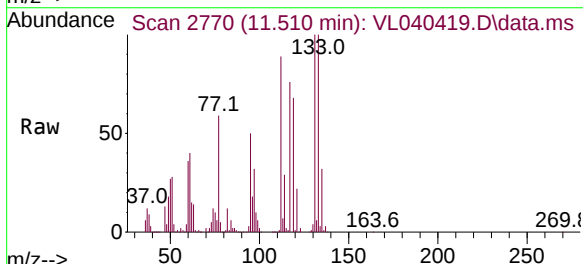
Manual Integrations
APPROVED

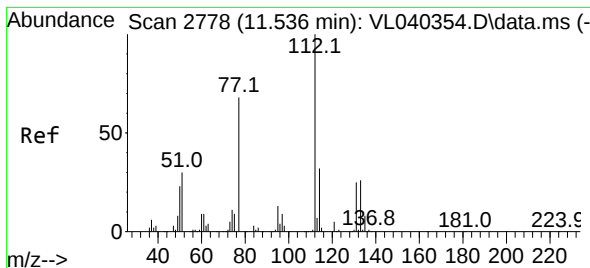
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 9.648 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

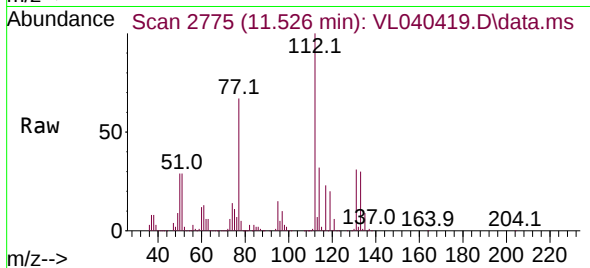
Tgt Ion:131 Resp: 1171021
Ion Ratio Lower Upper
131 100
133 94.4 75.3 112.9
119 68.8 53.9 80.9





#57
Chlorobenzene
Concen: 9.384 ppbv
RT: 11.526 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

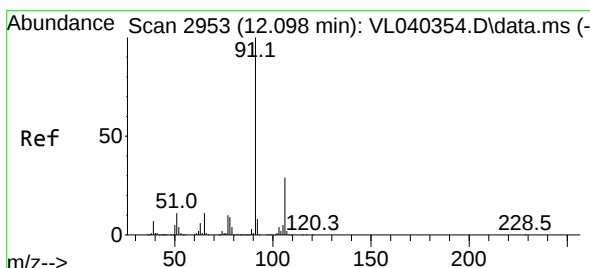
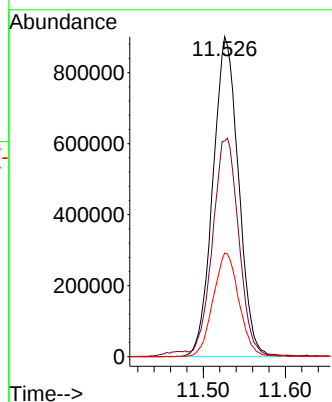
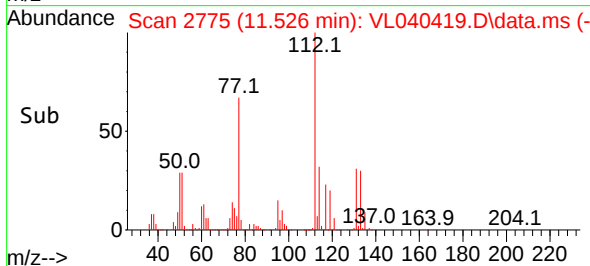
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 112 Resp: 1953928
Ion Ratio Lower Upper
112 100
77 67.1 55.8 83.8
114 32.4 29.1 35.5

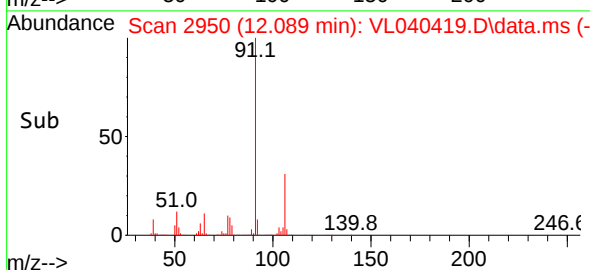
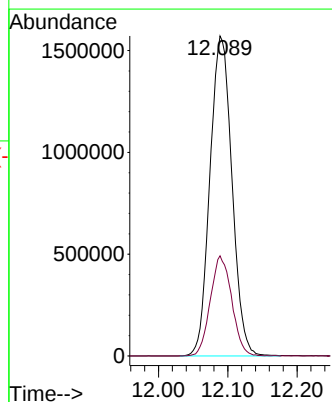
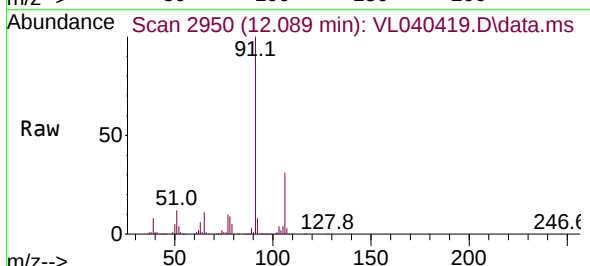
Manual Integrations
APPROVED

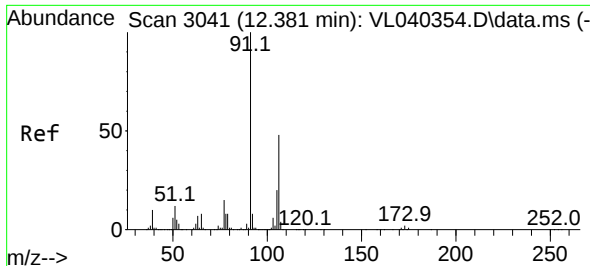
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#58
Ethyl Benzene
Concen: 10.593 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. -0.009 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion: 91 Resp: 3465391
Ion Ratio Lower Upper
91 100
106 31.3 23.5 35.3





#59

m/p-Xylene

Concen: 20.197 ppbv m

RT: 12.372 min Scan# 3041

Delta R.T. -0.009 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 607572

Ion Ratio Lower Upper

91 100

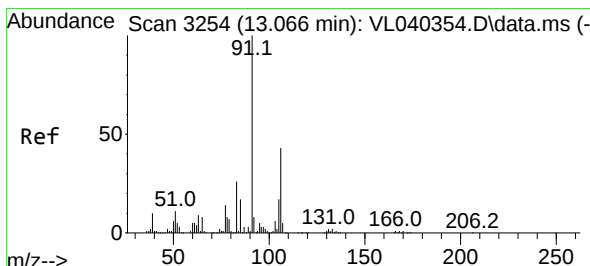
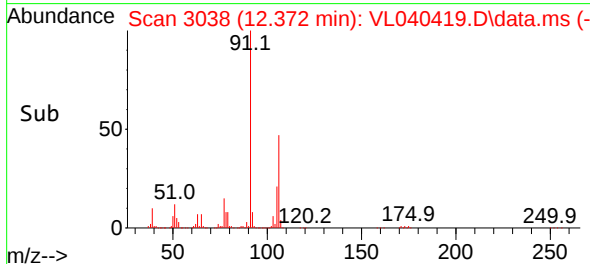
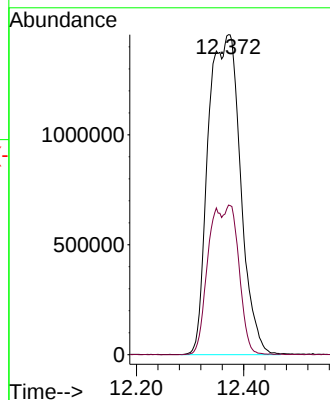
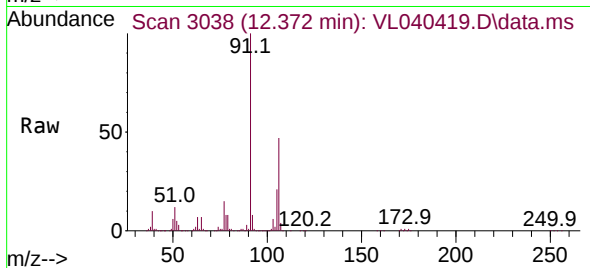
106 43.8 34.7 52.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#60

o-Xylene

Concen: 10.152 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.003 min

Lab File: VL040419.D

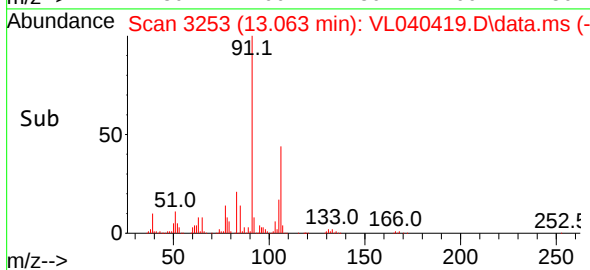
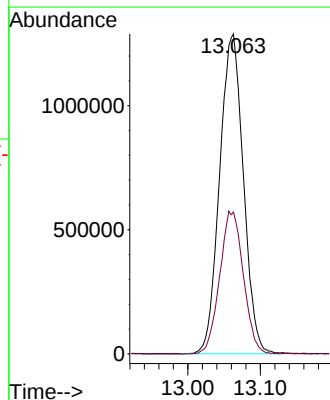
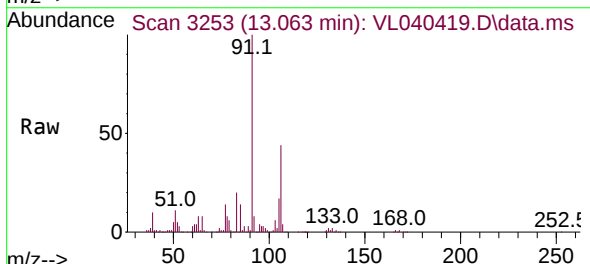
Acq: 12 May 2023 15:29

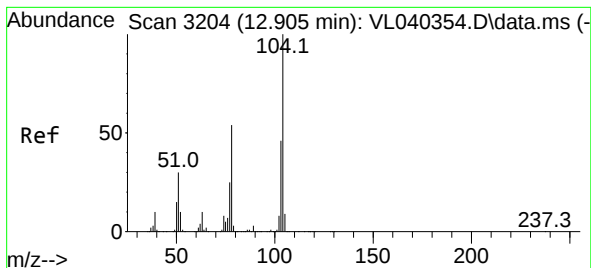
Tgt Ion: 91 Resp: 2930923

Ion Ratio Lower Upper

91 100

106 44.6 21.9 65.8





#61

Styrene

Concen: 11.613 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1679504

Ion Ratio Lower Upper

104 100

78 53.9 43.4 65.0

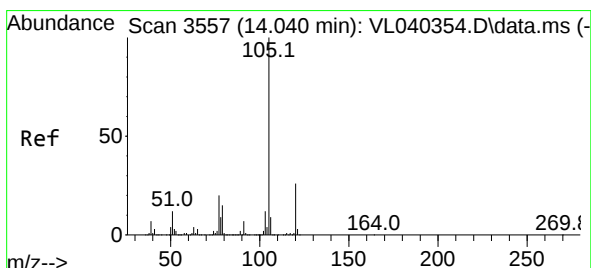
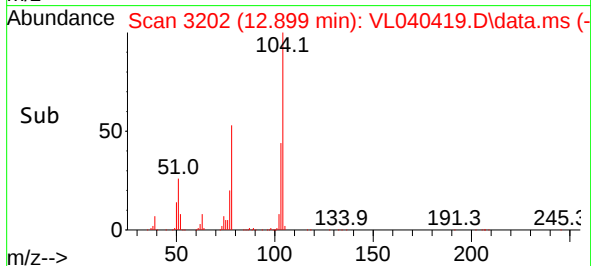
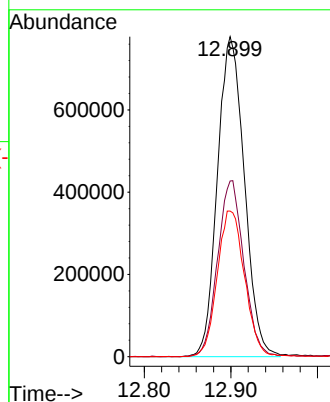
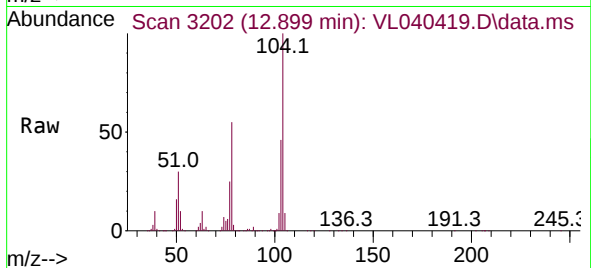
103 46.4 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#62

Isopropylbenzene

Concen: 9.925 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.009 min

Lab File: VL040419.D

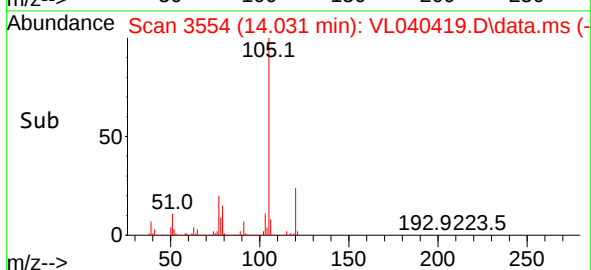
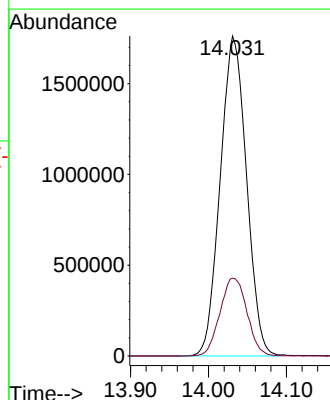
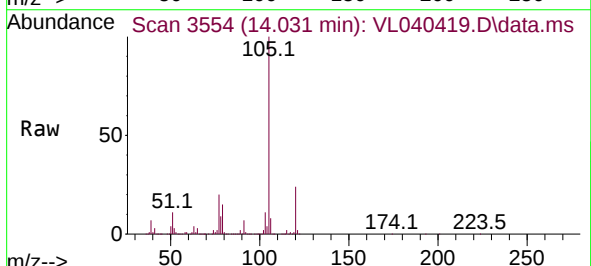
Acq: 12 May 2023 15:29

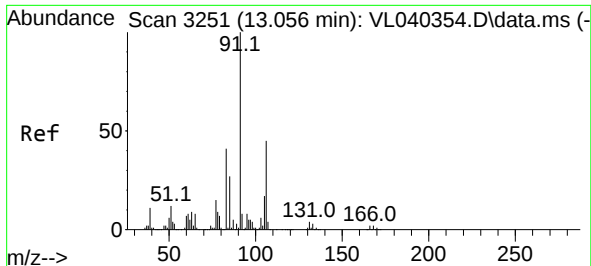
Tgt Ion:105 Resp: 4126861

Ion Ratio Lower Upper

105 100

120 25.1 19.9 29.9





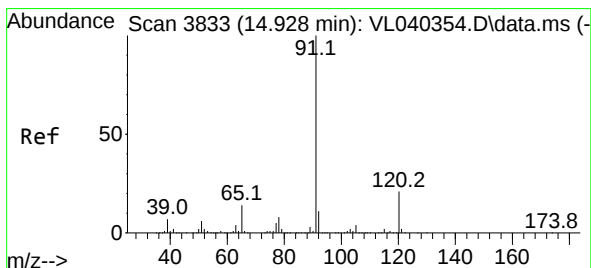
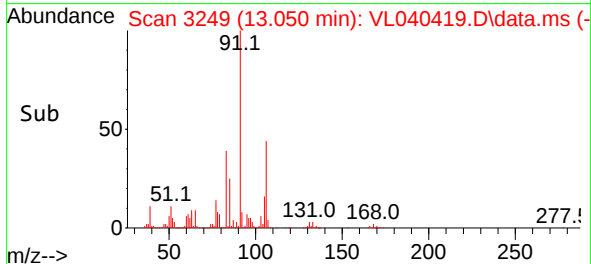
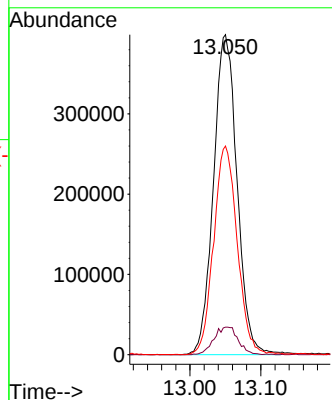
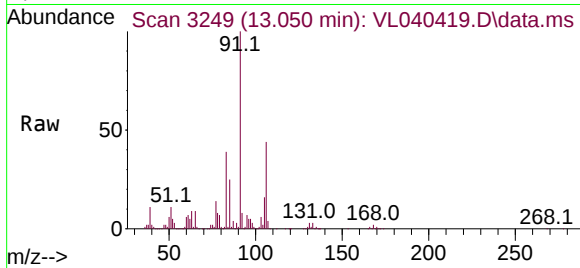
#63
1,1,2,2-Tetrachloroethane
Concen: 8.727 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 92209
Ion Ratio Lower Upper
83 100
131 8.9 4.3 13.1
85 65.4 32.9 98.6

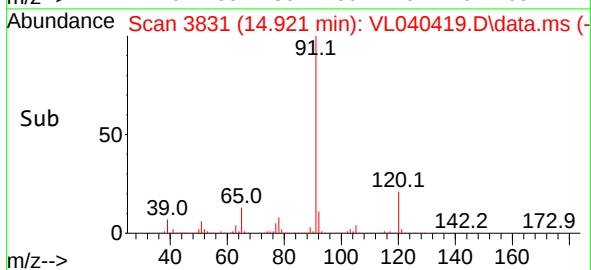
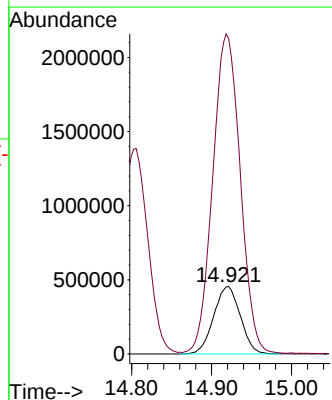
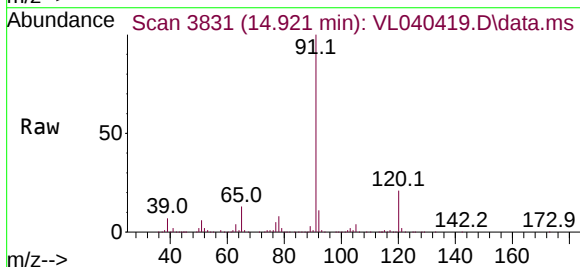
Manual Integrations
APPROVED

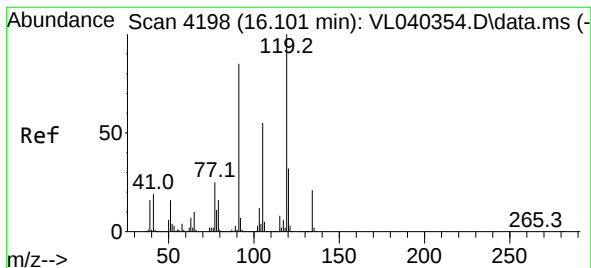
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#64
n-propylbenzene
Concen: 10.248 ppbv
RT: 14.921 min Scan# 3831
Delta R.T. -0.007 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion:120 Resp: 1048460
Ion Ratio Lower Upper
120 100
91 493.6 397.4 596.0





#65

tert-Butylbenzene

Concen: 9.872 ppbv

RT: 16.098 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:119 Resp: 361120

Ion Ratio Lower Upper

119 100

91 86.9 70.1 105.1

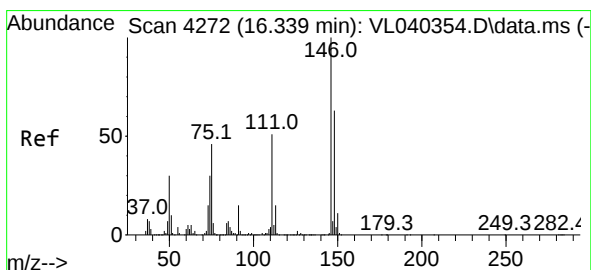
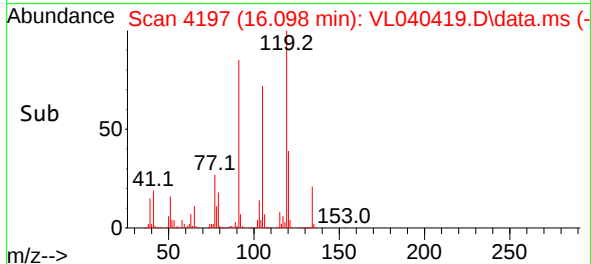
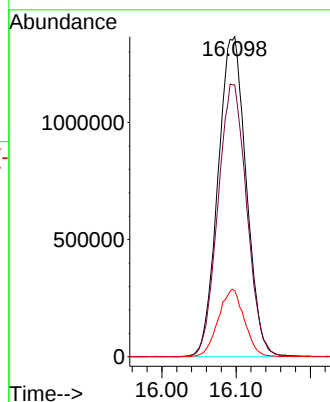
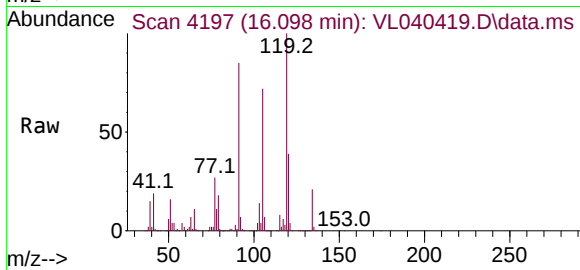
134 19.4 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#66

Benzyl Chloride

Concen: 11.310 ppbv

RT: 16.336 min Scan# 4271

Delta R.T. -0.003 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

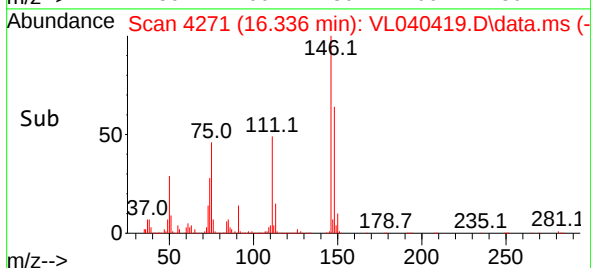
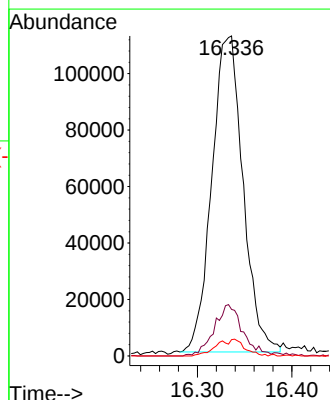
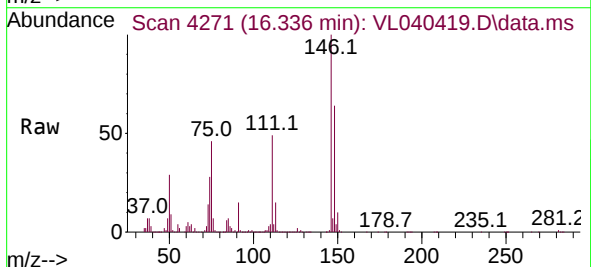
Tgt Ion: 91 Resp: 256160

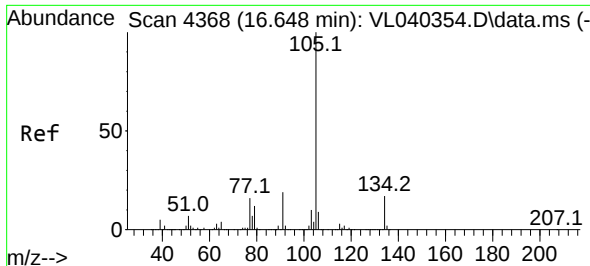
Ion Ratio Lower Upper

91 100

126 15.4 12.3 18.5

128 5.0 4.1 6.1





#67

sec-Butylbenzene

Concen: 9.766 ppbv

RT: 16.638 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 5131589

Ion Ratio Lower Upper

105 100

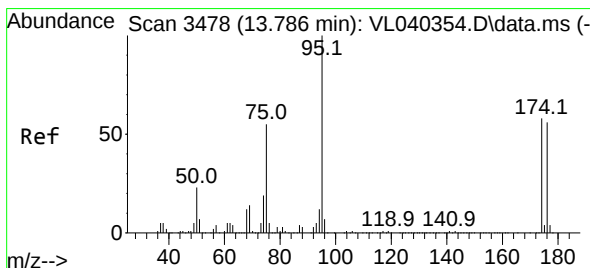
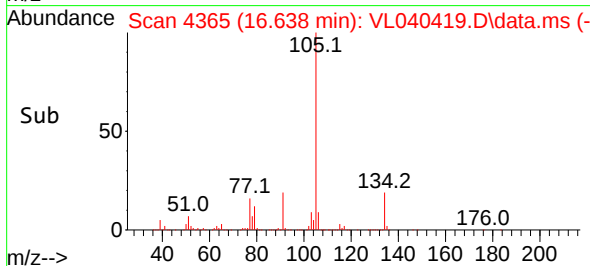
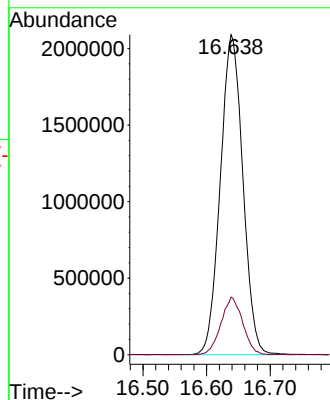
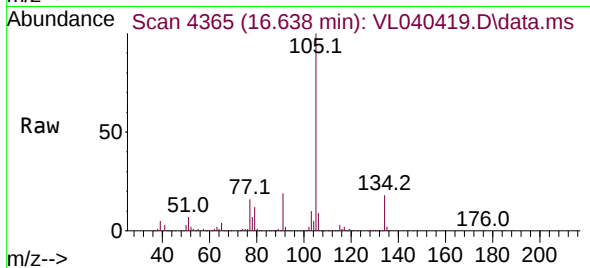
134 17.4 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.364 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

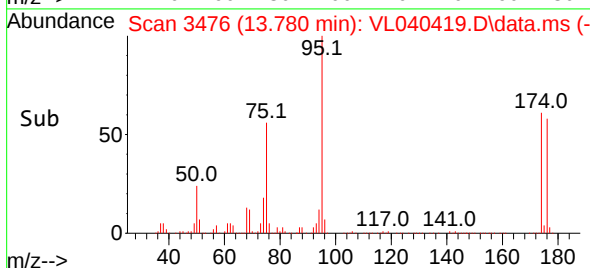
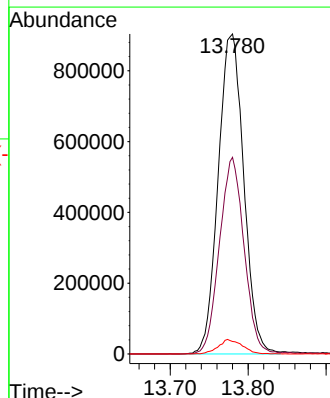
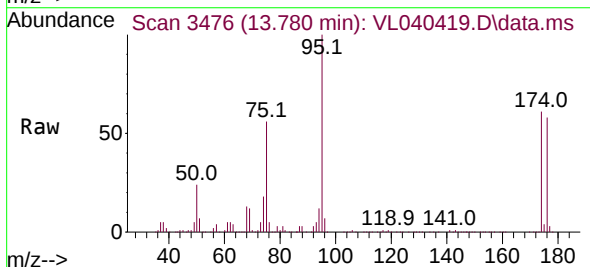
Tgt Ion: 95 Resp: 2059221

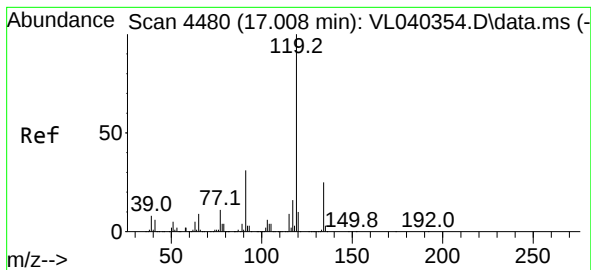
Ion Ratio Lower Upper

95 100

174 59.4 47.2 70.8

175 4.3 3.5 5.3





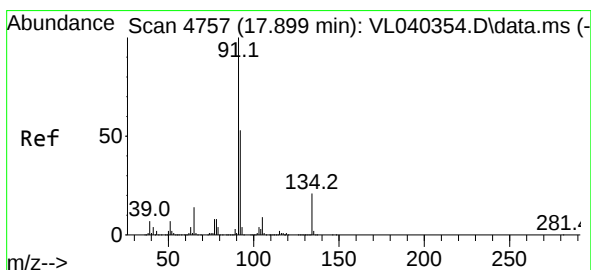
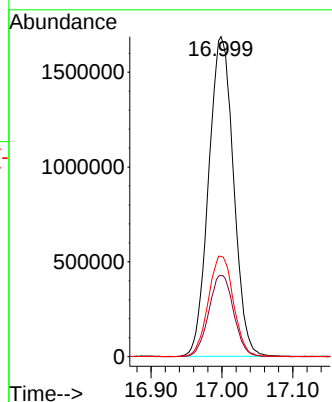
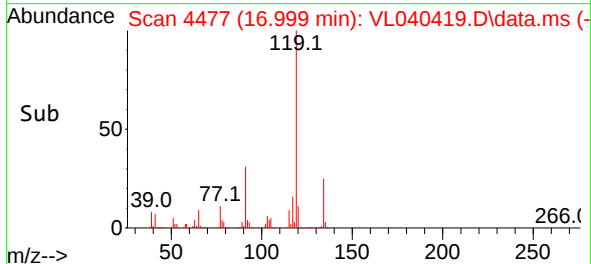
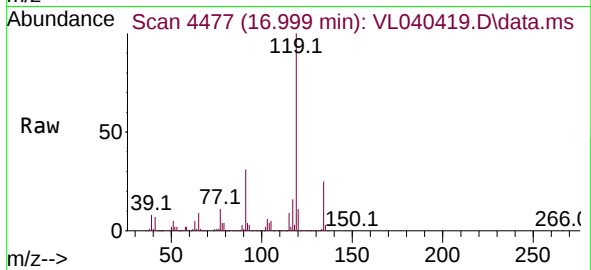
#69
p-Isopropyltoluene
Concen: 10.032 ppbv
RT: 16.999 min Scan# 4480
Delta R.T. -0.009 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 411584
Ion Ratio Lower Upper
119 100
134 25.5 20.2 30.4
91 31.8 25.7 38.5

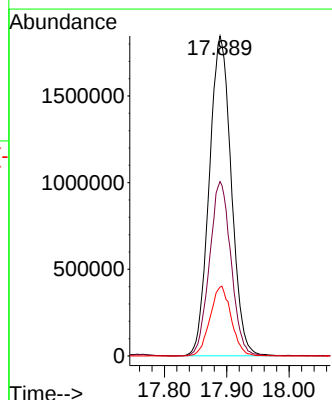
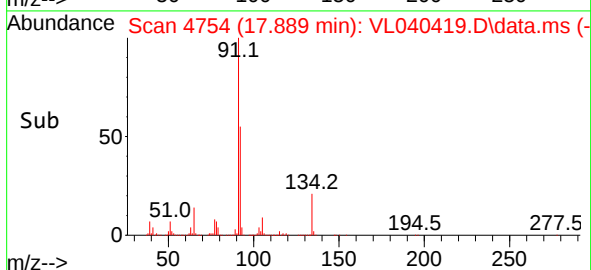
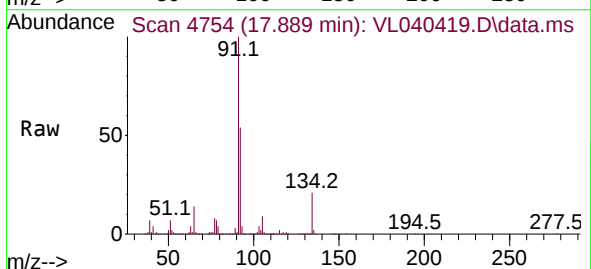
Manual Integrations
APPROVED

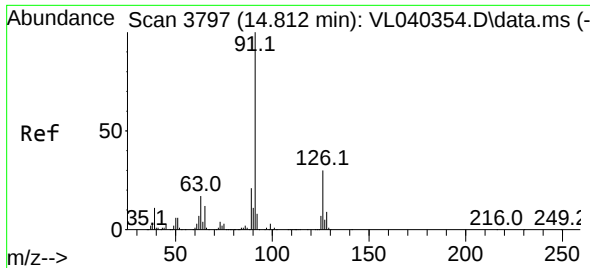
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#70
n-Butylbenzene
Concen: 9.941 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

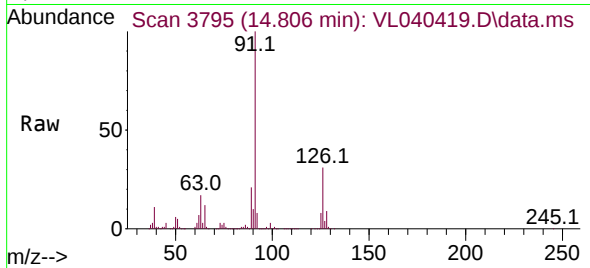
Tgt Ion: 91 Resp: 4521531
Ion Ratio Lower Upper
91 100
92 53.5 43.0 64.4
134 21.1 16.6 25.0





#71
2-Chlorotoluene
Concen: 10.054 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

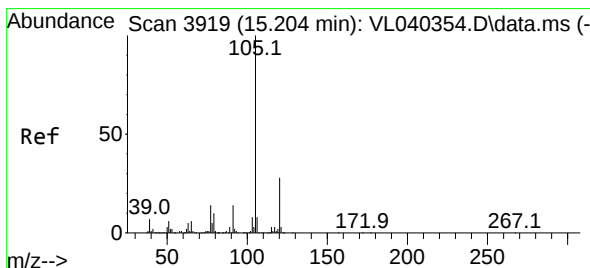
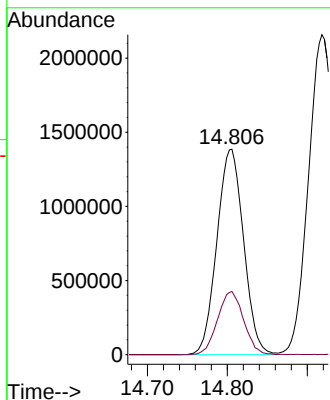
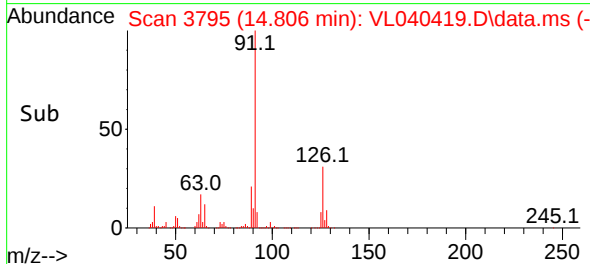
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



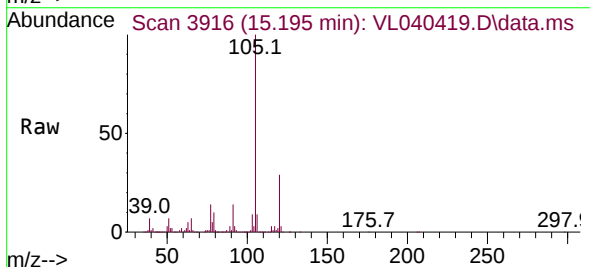
Tgt Ion: 91 Resp: 3209530
Ion Ratio Lower Upper
91 100
126 30.1 11.8 47.4

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APPROVED

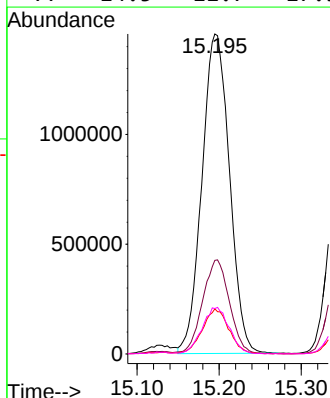
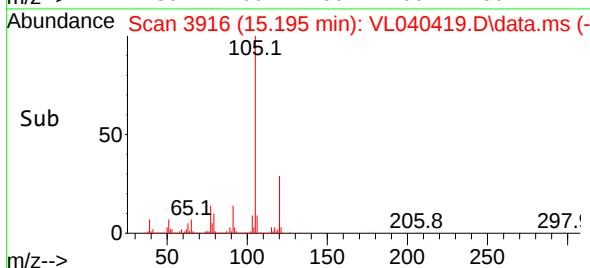
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

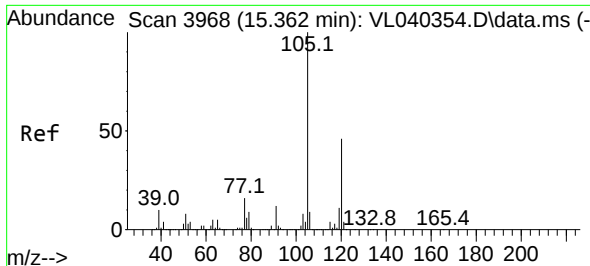


#72
4-Ethyltoluene
Concen: 10.640 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.009 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29



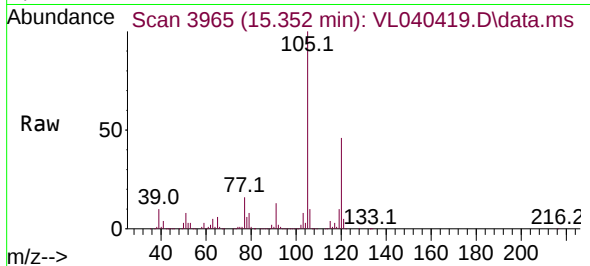
Tgt Ion:105 Resp: 3391348
Ion Ratio Lower Upper
105 100
120 29.6 23.0 34.6
91 14.1 11.3 16.9
77 14.5 11.7 17.5





#73
1,3,5-Trimethylbenzene
Concen: 10.195 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

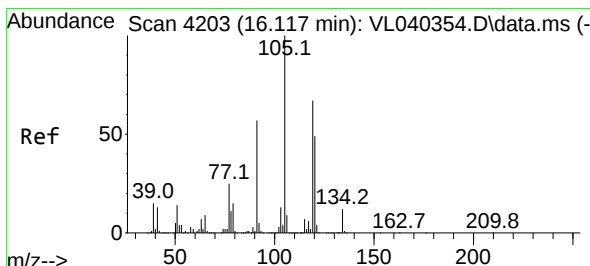
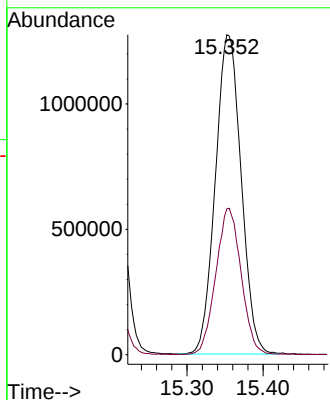
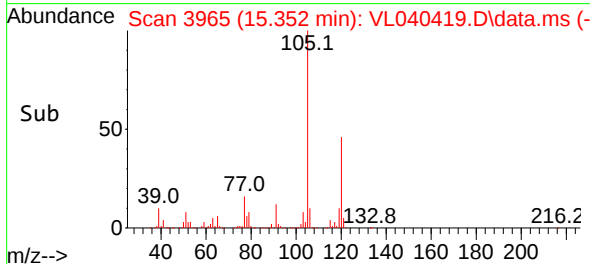
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



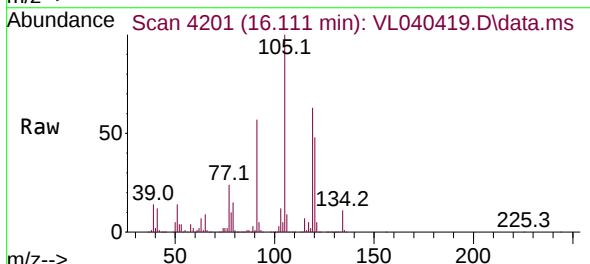
Tgt Ion:105 Resp: 3001534
Ion Ratio Lower Upper
105 100
120 45.6 36.9 55.3

Manual Integrations
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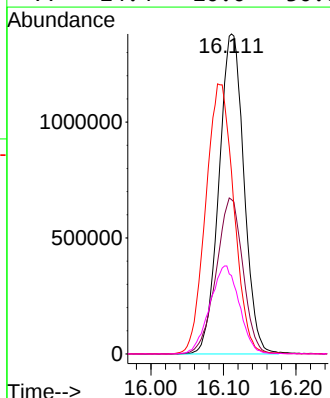
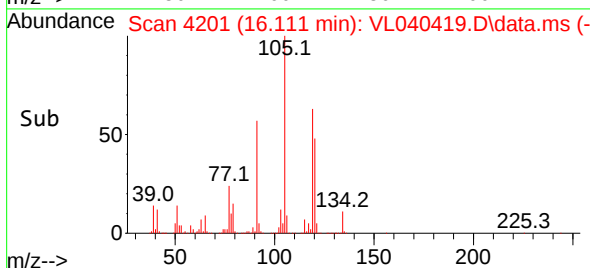
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023

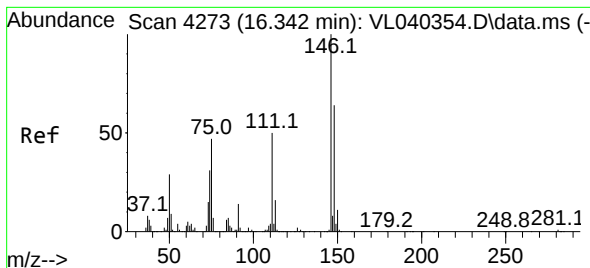


#74
1,2,4-Trimethylbenzene
Concen: 9.810 ppbv
RT: 16.111 min Scan# 4201
Delta R.T. -0.006 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29



Tgt Ion:105 Resp: 3301054
Ion Ratio Lower Upper
105 100
120 48.2 38.9 58.3
91 56.6 46.0 69.0
77 24.4 20.0 30.0





#75

1,3-Dichlorobenzene

Concen: 9.829 ppbv

RT: 16.336 min Scan# 4315

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 181158

Ion Ratio Lower Upper

146 100

111 49.0 24.6 74.0

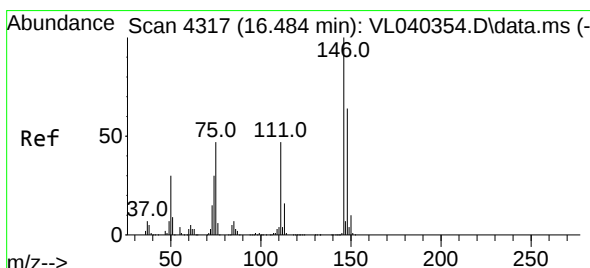
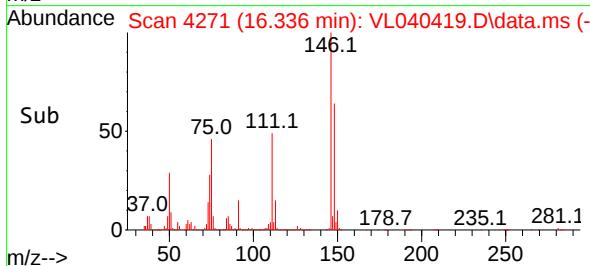
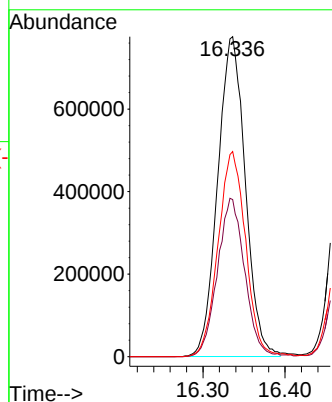
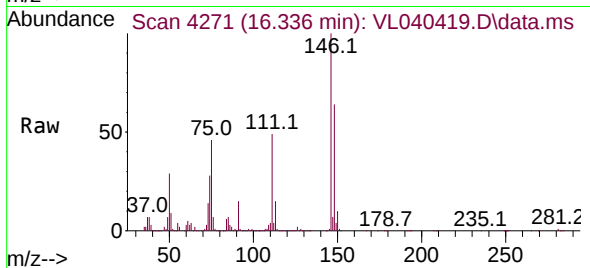
148 64.2 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#76

1,4-Dichlorobenzene

Concen: 9.779 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. -0.006 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

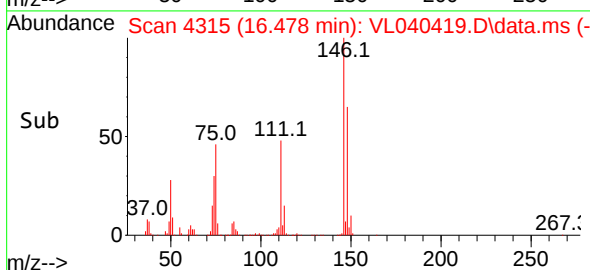
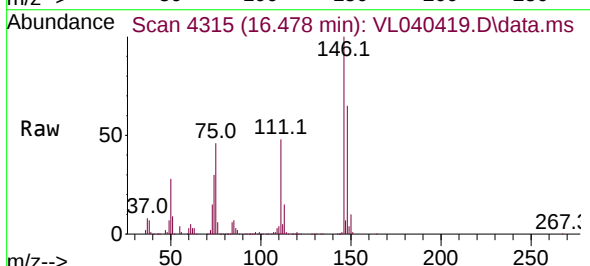
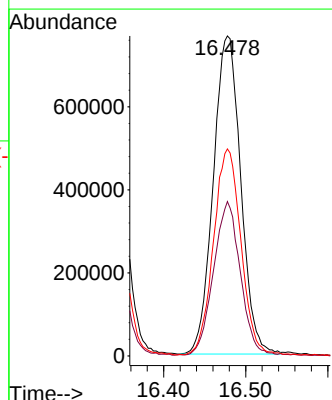
Tgt Ion:146 Resp: 1780946

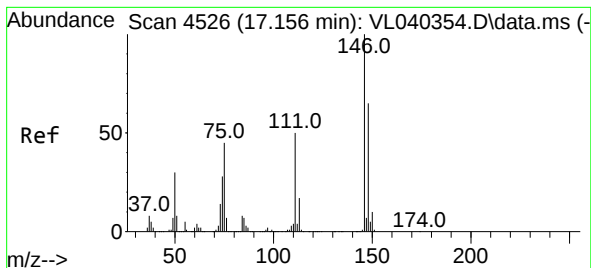
Ion Ratio Lower Upper

146 100

111 48.3 23.8 71.4

148 65.9 32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 9.491 ppbv

RT: 17.146 min Scan# 4526

Delta R.T. -0.010 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 1729719

Ion Ratio Lower Upper

146 100

111 50.4 25.4 76.0

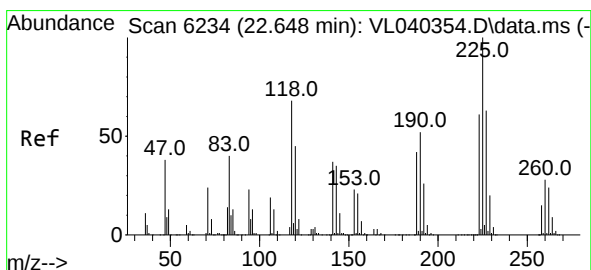
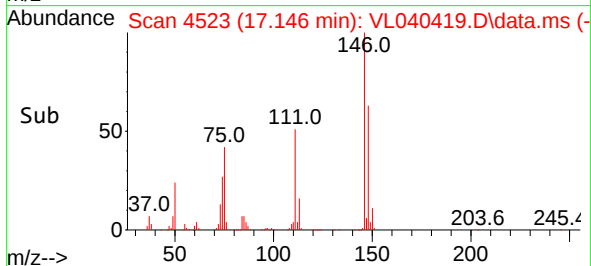
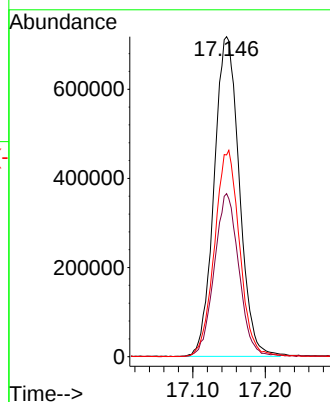
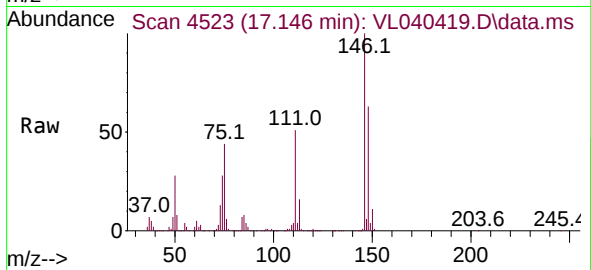
148 64.4 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023



#78

Hexachloro-1,3-Butadiene

Concen: 8.950 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. -0.013 min

Lab File: VL040419.D

Acq: 12 May 2023 15:29

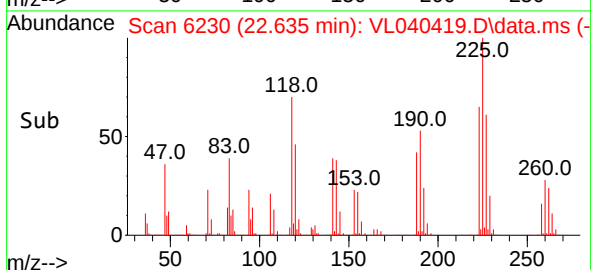
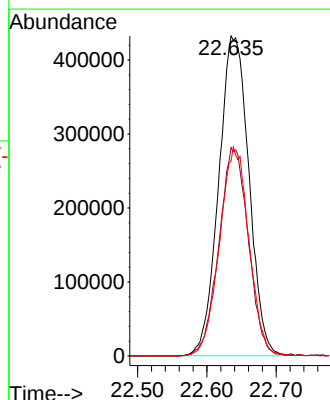
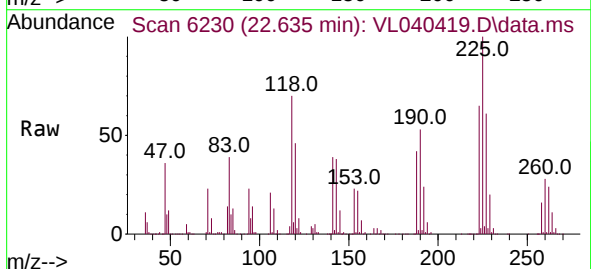
Tgt Ion:225 Resp: 1307719

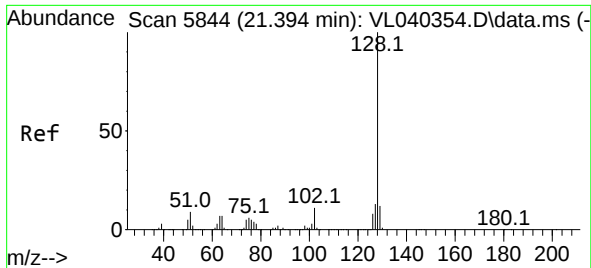
Ion Ratio Lower Upper

225 100

223 64.0 50.7 76.1

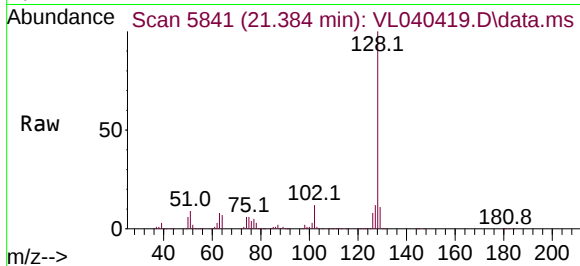
227 63.6 51.0 76.4





#79
Naphthalene
Concen: 12.346 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

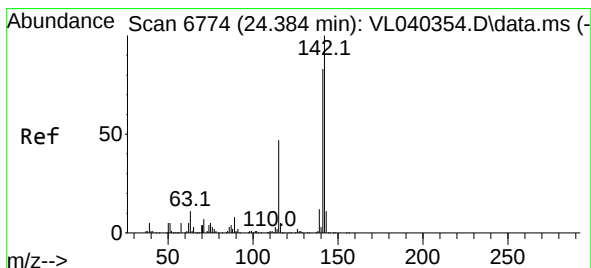
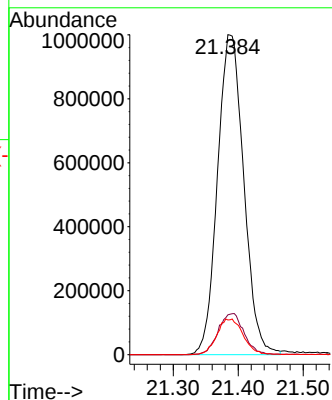
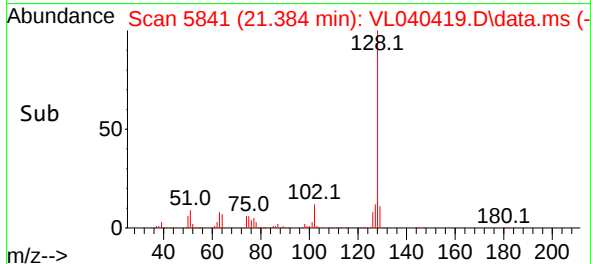
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:128 Resp: 280436
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.9 9.4 14.0

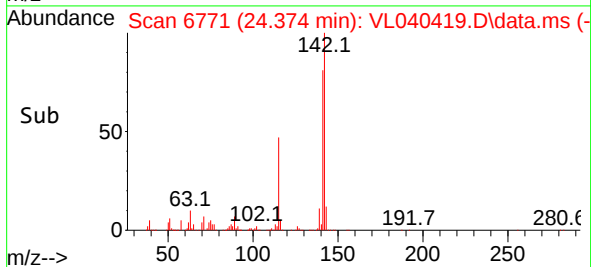
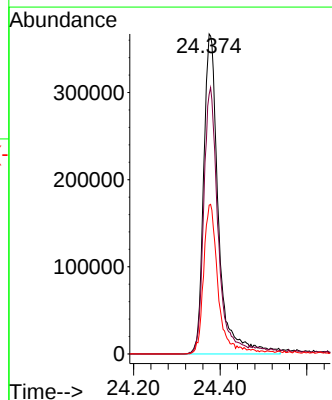
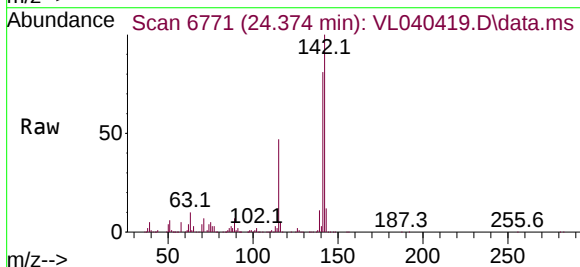
Manual Integrations
APPROVED

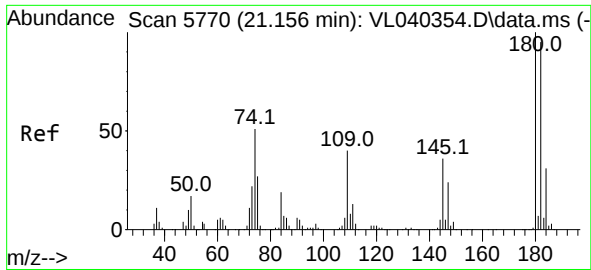
Reviewed By :Semsettin Yesilyurt 05/16/2023
Supervised By :Mahesh Dadoda 05/16/2023



#80
Naphthalene,2-methyl-
Concen: 12.946 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. -0.010 min
Lab File: VL040419.D
Acq: 12 May 2023 15:29

Tgt Ion:142 Resp: 875357
Ion Ratio Lower Upper
142 100
141 84.0 65.1 97.7
115 46.1 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 10.422 ppbv

RT: 21.143 min Scan# 51

Delta R.T. -0.013 min

Lab File: VL040419.D

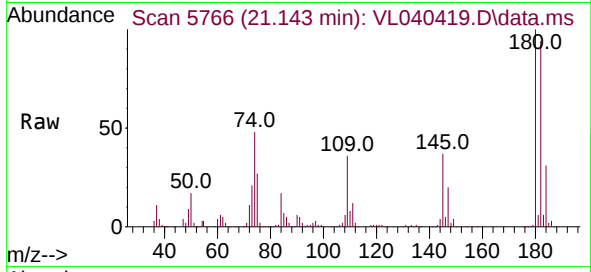
Acq: 12 May 2023 15:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1454849

Ion Ratio Lower Upper

180 100

182 96.4 77.7 116.5

184 31.2 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2023

Supervised By :Mahesh Dadoda 05/16/2023

