

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040026.D
 Acq On : 19 Dec 2022 13:23
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:24:28 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	994130	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2852840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2806120	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2109746 9.842 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	2033564	10.928	ppbv	99
3) Chlorodifluoromethane	2.658	51	1804424	12.302	ppbv	98
4) Chloromethane	2.796	50	1140772	12.412	ppbv	100
5) Vinyl Chloride	2.902	62	994452	13.374	ppbv	94
6) Bromomethane	3.102	94	352942	12.918	ppbv	98
7) Chloroethane	3.179	64	372534	13.279	ppbv	92
8) Dichlorotetrafluoroethane	2.838	85	2353941	12.023	ppbv	99
9) Propene	2.674	41	789277	12.680	ppbv	100
10) Heptane	7.565	43	1984266	13.086	ppbv	98
11) Trichlorofluoromethane	3.542	101	2598523	12.851	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.047	101	1950289	12.735	ppbv	99
13) Ethanol	3.224	45	59956m	11.404	ppbv	
14) Bromoethene	3.349	108	786327	13.635	ppbv	99
15) Acetone	3.449	43	1763064	11.464	ppbv	99
16) 1,3-Butadiene	2.967	39	888158	13.286	ppbv	99
17) tert-Butyl alcohol	3.861	59	1743530	11.581	ppbv	100
18) 1,1-Dichloroethene	3.864	96	864431	12.968	ppbv	99
19) Isopropyl Alcohol	3.555	45	915954	12.086	ppbv #	97
20) Methylene Chloride	3.915	84	732357	11.203	ppbv	97
21) Allyl Chloride	3.979	41	1248406	13.509	ppbv	99
22) trans-1,2-Dichloroethene	4.426	96	941210	14.167	ppbv	97
23) Vinyl Acetate	4.610	43	666419	13.664	ppbv #	99
24) 1,1-Dichloroethane	4.545	63	1841018	12.858	ppbv	99
25) Ethyl Acetate	5.185	43	3339254	12.538	ppbv	100
26) Hexane	5.198	57	1426092	12.740	ppbv	98
27) Carbon Disulfide	4.105	76	2203555	15.607	ppbv	98
28) Methyl tert-Butyl Ether	4.568	73	1687466	12.791	ppbv	99
29) Chloroform	5.259	83	2269929	13.288	ppbv	100
30) Cyclohexane	6.587	84	1320756	13.323	ppbv	97
31) cis-1,2-Dichloroethene	5.063	61	1430714	13.421	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	2605899	14.206	ppbv	100
34) 2-Butanone	4.767	43	2016508	13.391	ppbv	99
35) Carbon Tetrachloride	6.478	117	2711898	15.282	ppbv	99
36) Benzene	6.356	78	3343740	13.124	ppbv	97
37) 1,2-Dichloroethane	5.790	62	2021356	13.524	ppbv	98
38) Trichloroethene	7.275	130	1972843	14.986	ppbv	97
39) 1,2-Dichloropropane	7.057	63	1275536	13.356	ppbv	99
40) 1,4-Dioxane	7.269	88	535020	12.352	ppbv	94
41) Tetrahydrofuran	5.539	42	1265467	13.529	ppbv	99
42) Bromodichloromethane	7.237	83	2895313	14.167	ppbv	98
43) Methyl Methacrylate	7.458	69	1345800	14.075	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5340760	12.733	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	1370851	16.965	ppbv	100

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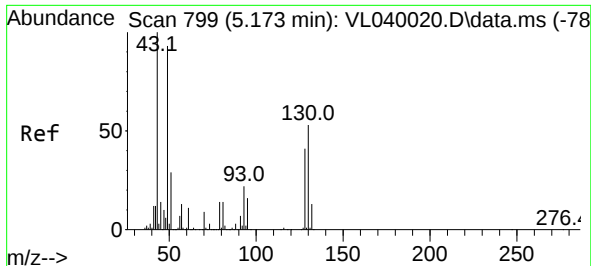
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Dec 20 04:20:10 2022

Response via : Initial Calibration

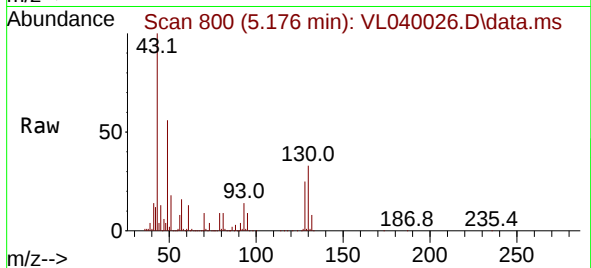
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	1785858	15.667	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	1412432	13.518	ppbv	99
48) Dibromochloromethane	9.700	129	2401448	15.081	ppbv	100
49) Bromoform	12.397	173	1921834	15.841	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	3380932	13.372	ppbv	98
51) 2-Hexanone	9.536	43	2725346	13.901	ppbv	100
52) Tetrachloroethene	10.603	164	1176522	13.493	ppbv	96
53) Toluene	9.208	91	3819380	13.539	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1641217	14.671	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1698507	13.114	ppbv	97
57) Chlorobenzene	11.516	112	2953723	12.400	ppbv #	95
58) Ethyl Benzene	12.079	91	5178070	12.988	ppbv	96
59) m/p-Xylene	12.365	91	8800902m	25.342	ppbv	
60) o-Xylene	13.050	91	4220746	12.691	ppbv	99
61) Styrene	12.886	104	2563375	14.453	ppbv	100
62) Isopropylbenzene	14.018	105	5902882	12.304	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1426818	11.659	ppbv	99
64) n-propylbenzene	14.908	120	1564495	12.954	ppbv	94
65) tert-Butylbenzene	16.082	119	5115476	12.280	ppbv	100
66) Benzyl Chloride	16.320	91	391164	18.078	ppbv	99
67) sec-Butylbenzene	16.628	105	7074755	12.109	ppbv	99
69) p-Isopropyltoluene	16.985	119	5762279	12.347	ppbv	100
70) n-Butylbenzene	17.879	91	5953526	12.210	ppbv	99
71) 2-Chlorotoluene	14.789	91	4562137	12.464	ppbv	99
72) 4-Ethyltoluene	15.185	105	4813034	13.027	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	4234983	12.670	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	4523002	12.314	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	2531101	12.620	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2515468	12.705	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	2397006	12.425	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1546274	11.593	ppbv #	100
79) Naphthalene	21.371	128	3322059	15.226	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	1039819	16.608	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1688749	13.069	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

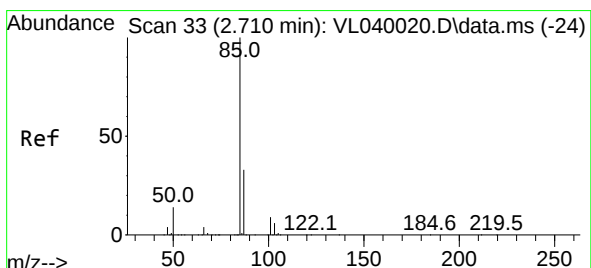
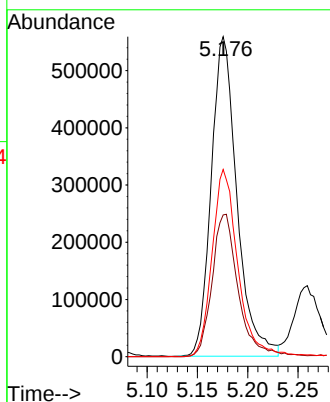
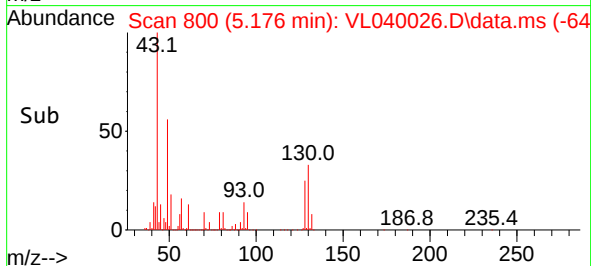
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 994130
Ion Ratio Lower Upper
49 100
128 45.8 22.4 67.3
130 59.3 28.9 86.8

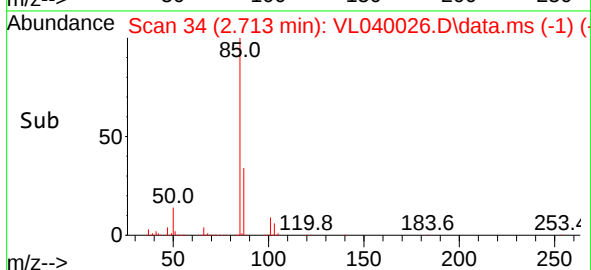
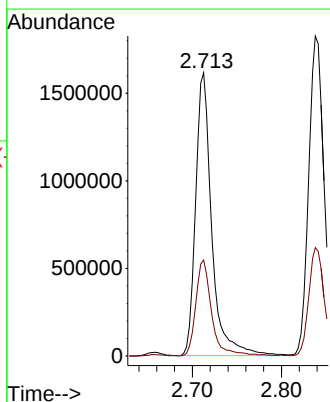
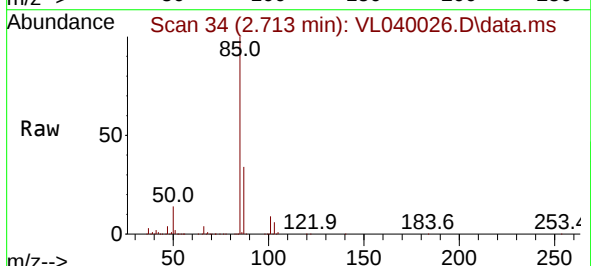
Manual Integrations
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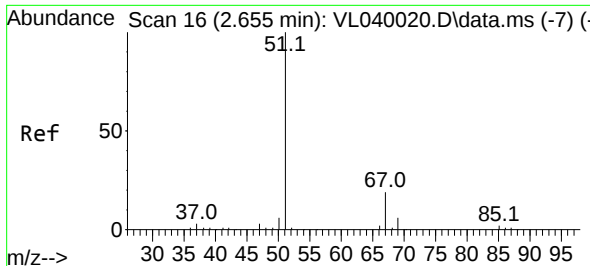
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#2
Dichlorodifluoromethane
Concen: 10.928 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 85 Resp: 2033564
Ion Ratio Lower Upper
85 100
87 33.9 26.6 40.0





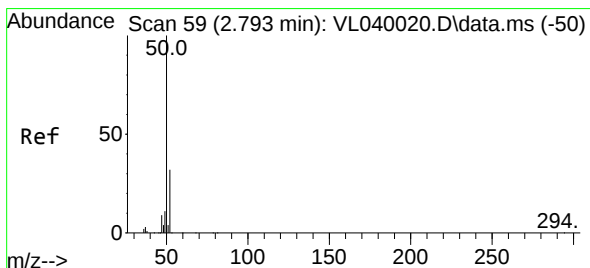
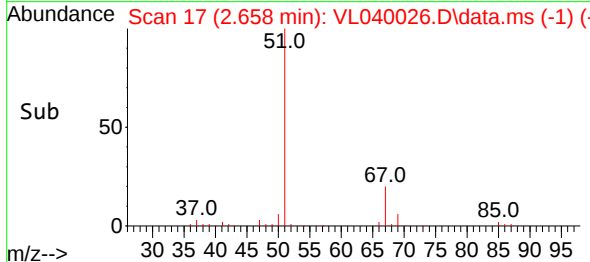
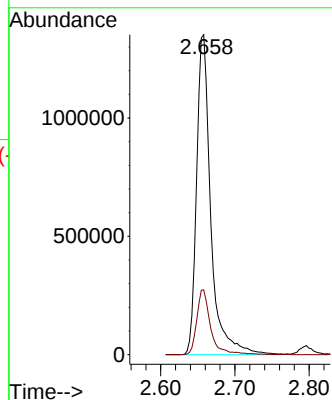
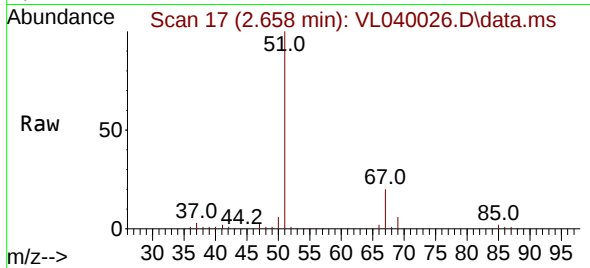
#3
Chlorodifluoromethane
Concen: 12.302 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 1804424
Ion Ratio Lower Upper
51 100
67 19.9 15.3 22.9

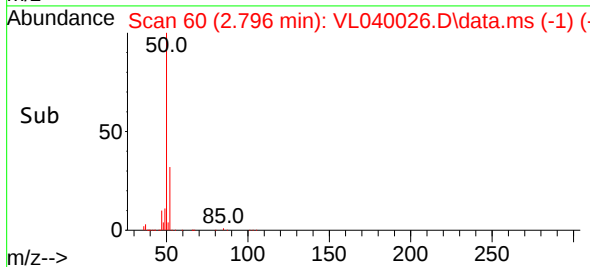
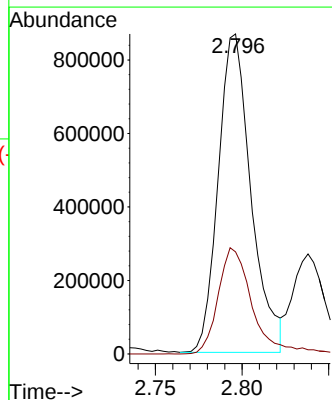
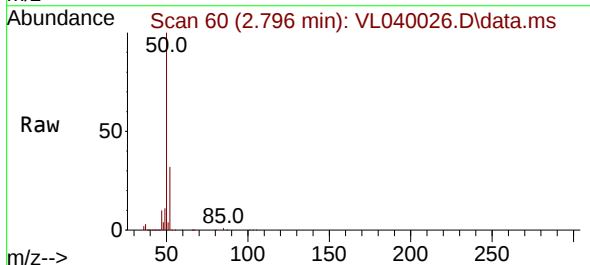
Manual Integrations
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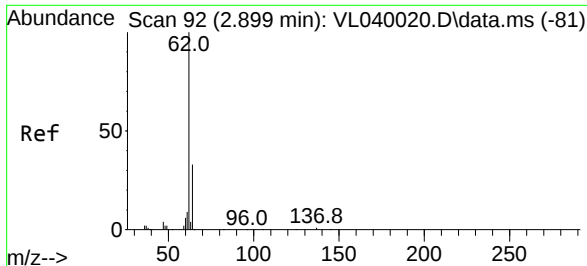
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#4
Chloromethane
Concen: 12.412 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 50 Resp: 1140772
Ion Ratio Lower Upper
50 100
52 32.1 25.5 38.3





#5
 Vinyl Chloride
 Concen: 13.374 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

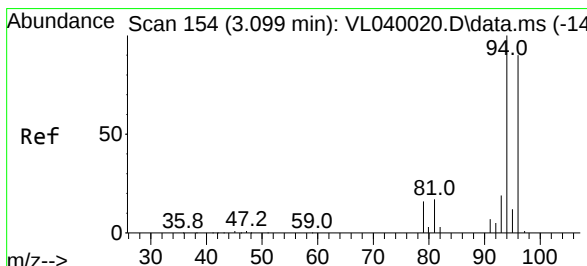
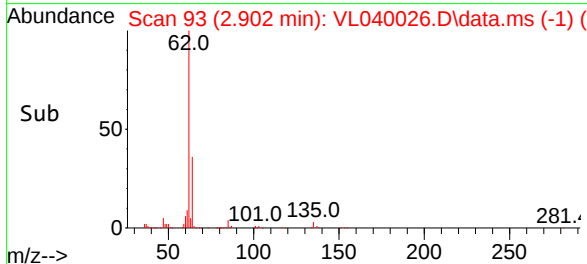
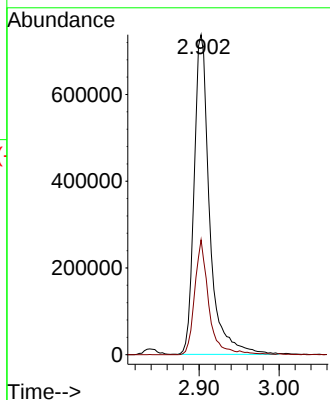
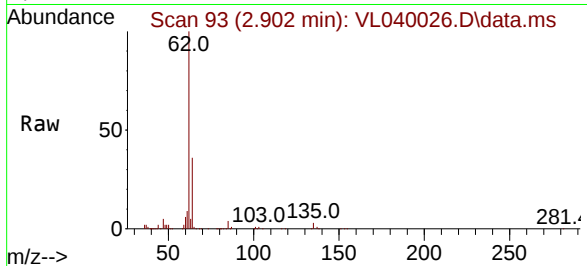
ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 994452
 Ion Ratio Lower Upper
 62 100
 64 35.9 26.1 39.1

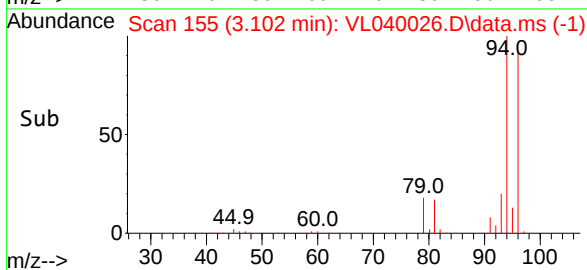
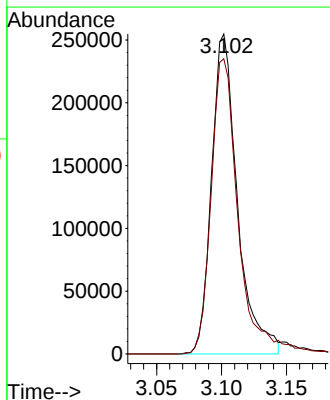
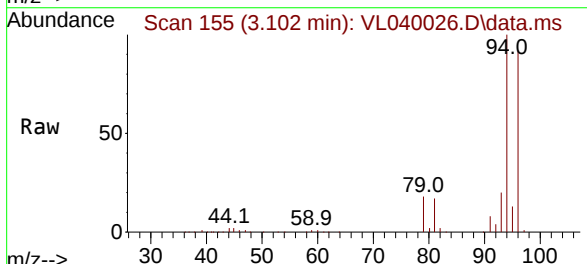
Manual Integrations
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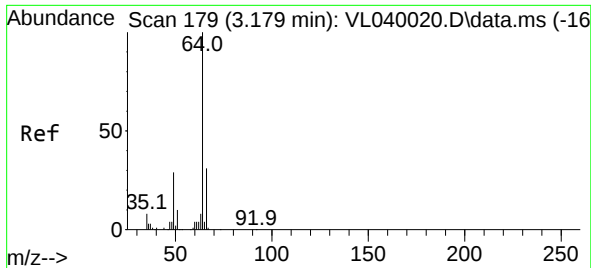
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#6
 Bromomethane
 Concen: 12.918 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

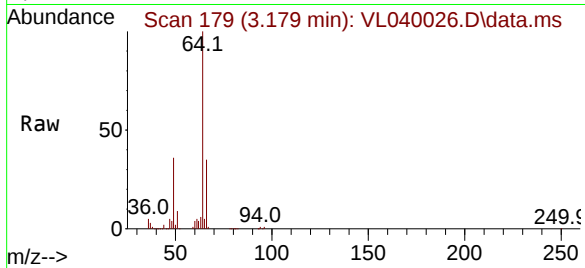
Tgt Ion: 94 Resp: 352942
 Ion Ratio Lower Upper
 94 100
 96 92.2 72.0 108.0





#7
Chloroethane
Concen: 13.279 ppbv
RT: 3.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

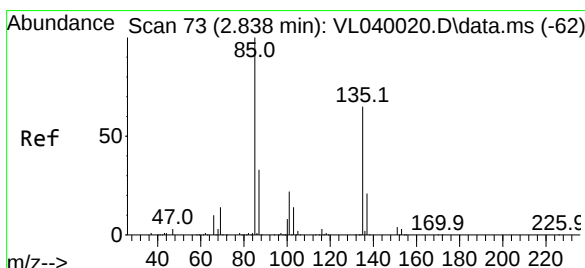
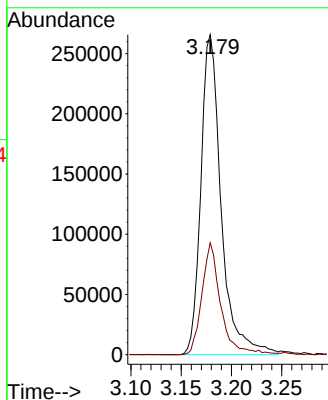
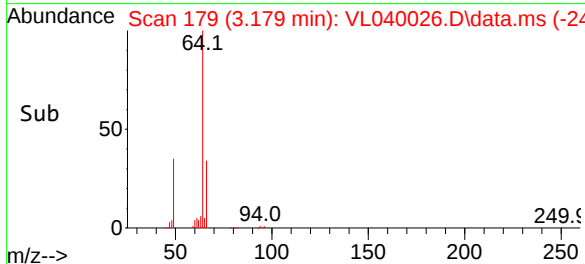
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 64 Resp: 372534
Ion Ratio Lower Upper
64 100
66 35.0 24.6 37.0

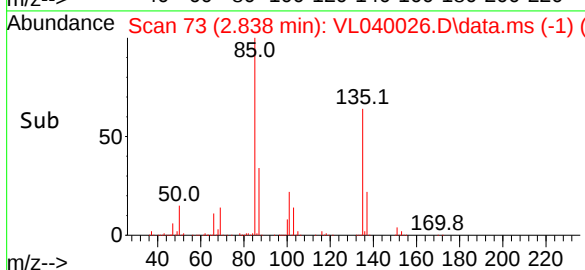
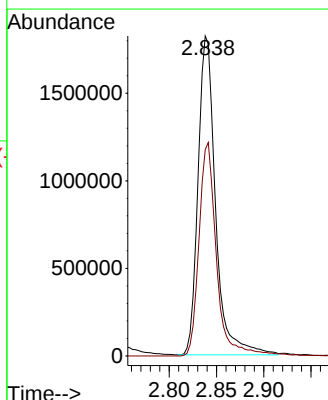
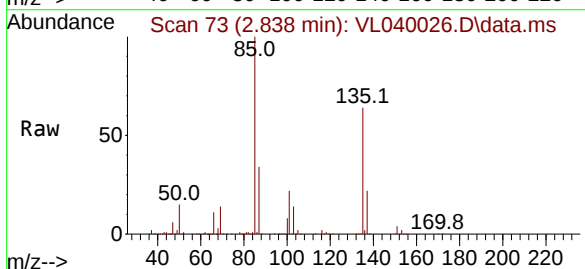
Manual Integrations
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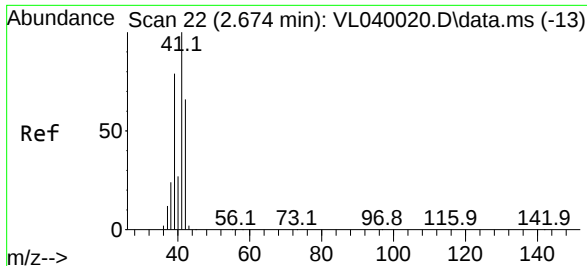
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#8
Dichlorotetrafluoroethane
Concen: 12.023 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

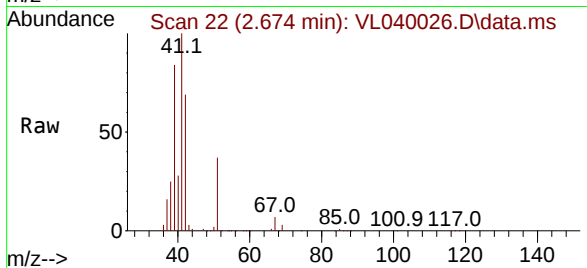
Tgt Ion: 85 Resp: 2353941
Ion Ratio Lower Upper
85 100
135 67.1 53.2 79.8





#9
 Propene
 Concen: 12.680 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

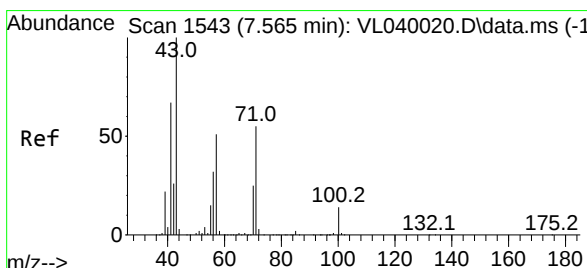
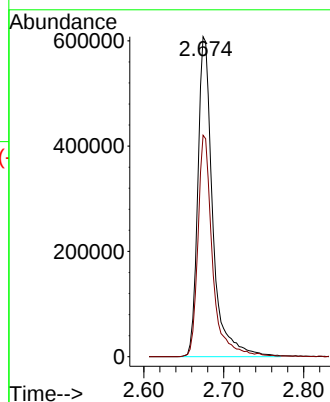
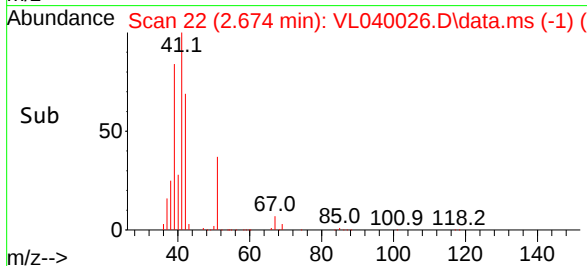
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



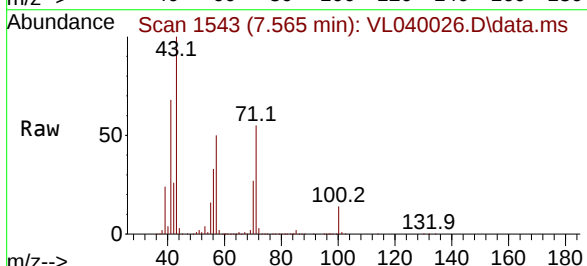
Tgt Ion: 41 Resp: 78927
 Ion Ratio Lower Upper
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 42 68.2 54.8 82.2

Manual Integrations
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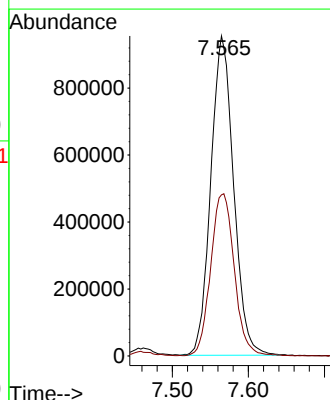
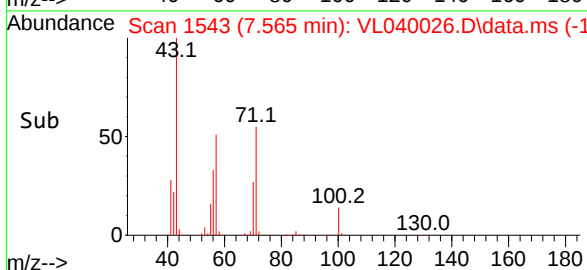
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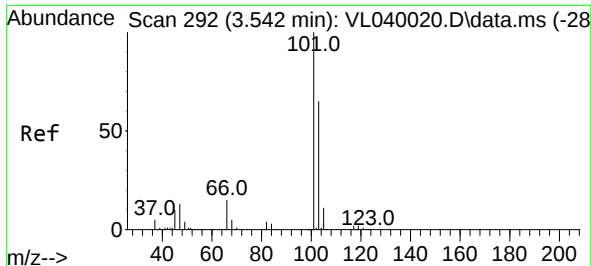


#10
 Heptane
 Concen: 13.086 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.000 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23



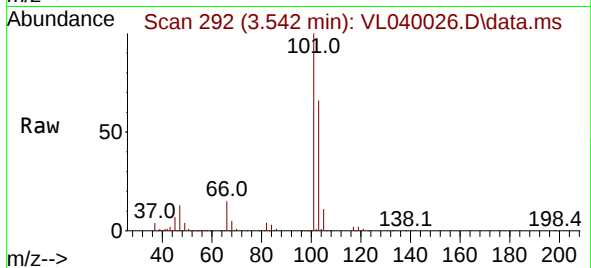
Tgt Ion: 43 Resp: 1984266
 Ion Ratio Lower Upper
 43 100
 57 52.9 41.2 61.8





#11
Trichlorofluoromethane
Concen: 12.851 ppbv
RT: 3.542 min Scan# 292
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

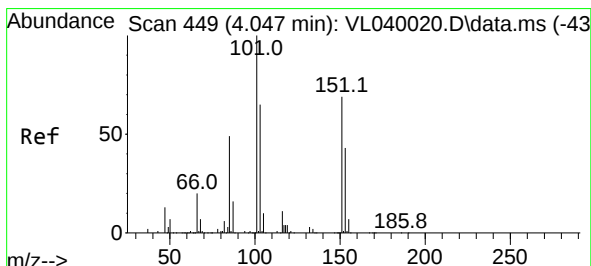
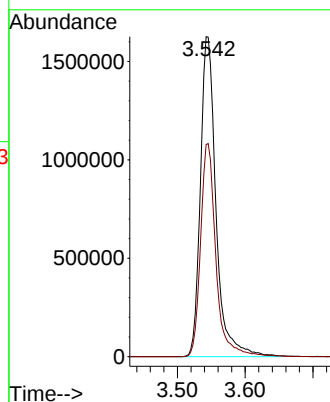
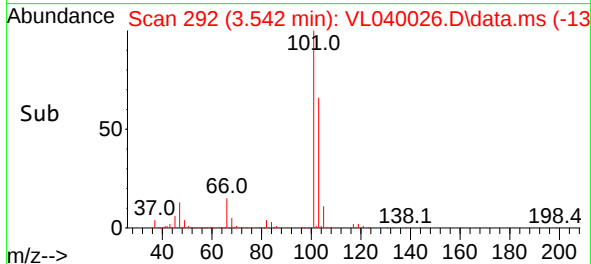
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



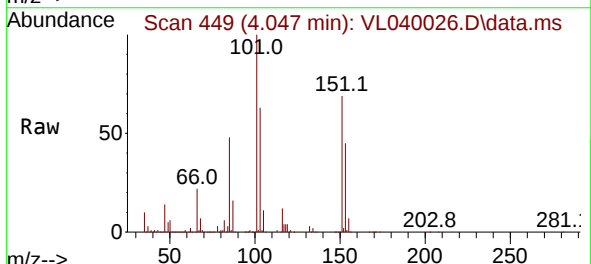
Tgt Ion:101 Resp: 259852
Ion Ratio Lower Upper
101 100
103 66.3 51.7 77.5

Manual Integrations
APPROVED

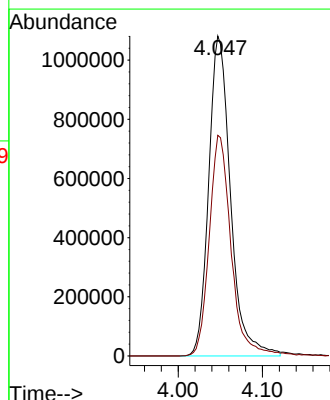
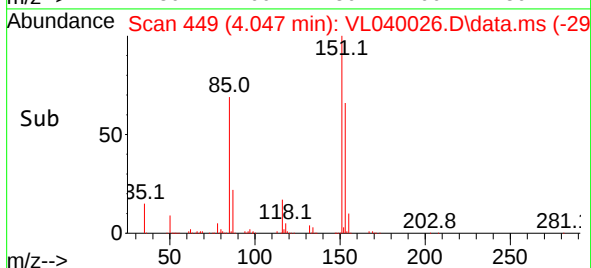
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

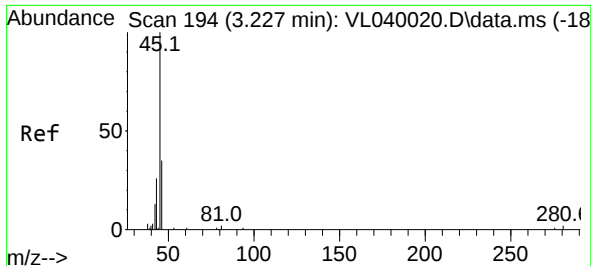


#12
1,1,2-Trichlorotrifluoroethane
Concen: 12.735 ppbv
RT: 4.047 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



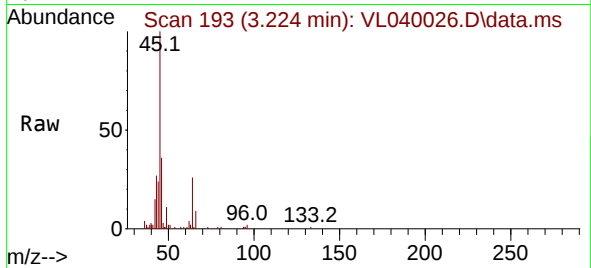
Tgt Ion:101 Resp: 1950289
Ion Ratio Lower Upper
101 100
151 69.3 55.0 82.4





#13
Ethanol
Concen: 11.404 ppbv m
RT: 3.224 min Scan# 194
Delta R.T. -0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

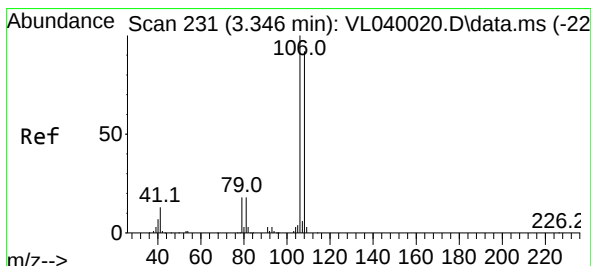
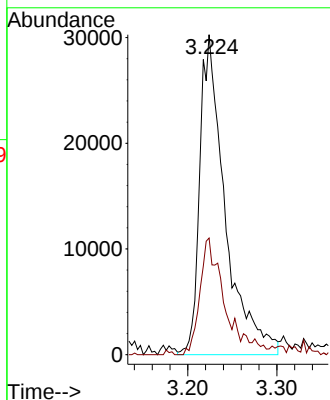
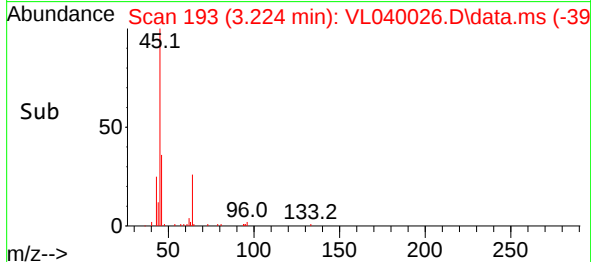
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



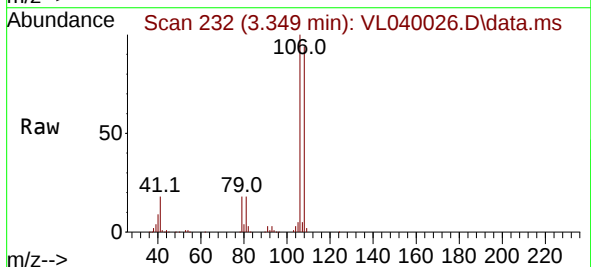
Tgt Ion: 45 Resp: 59950
Ion Ratio Lower Upper
45 100
46 36.5 13.7 54.7

Manual Integrations
APPROVED

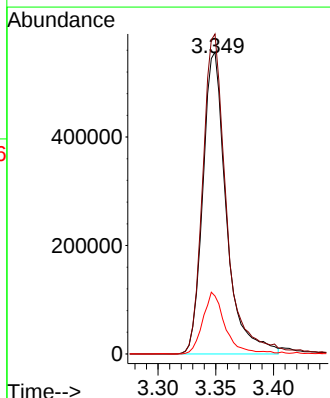
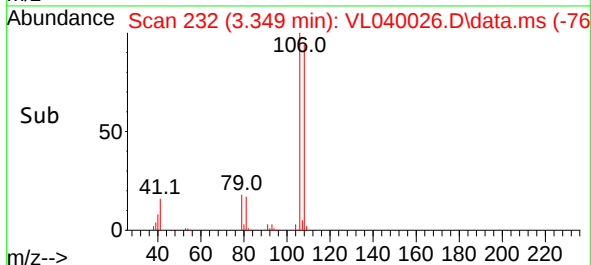
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

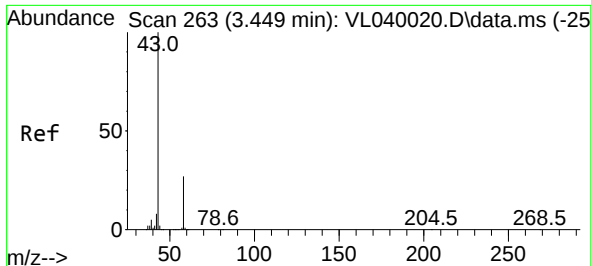


#14
Bromoethene
Concen: 13.635 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



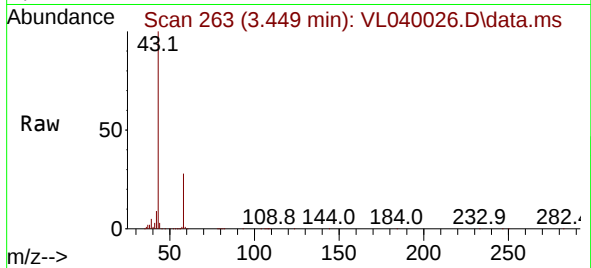
Tgt Ion:108 Resp: 786327
Ion Ratio Lower Upper
108 100
106 108.3 87.5 131.3
79 20.1 15.8 23.8





#15
Acetone
Concen: 11.464 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

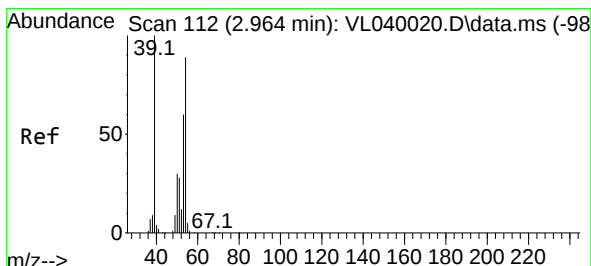
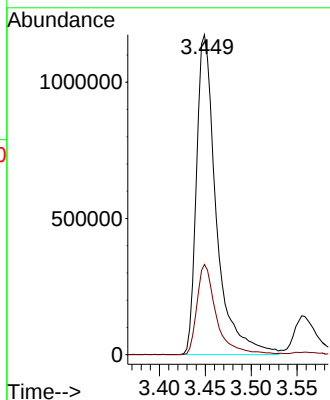
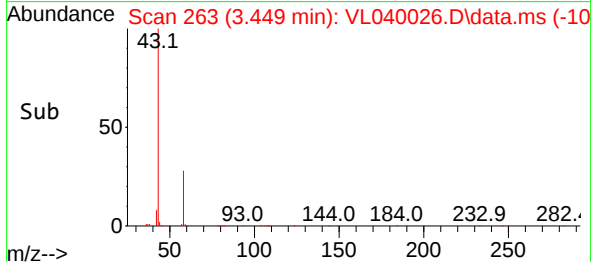
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



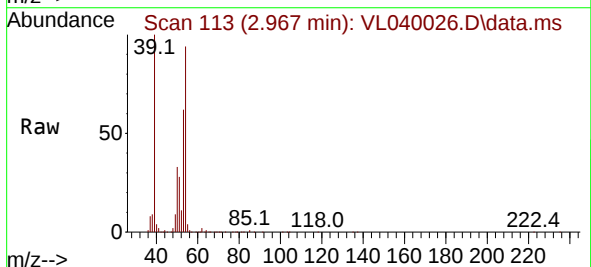
Tgt Ion: 43 Resp: 1763064
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.8

Manual Integrations
APPROVED

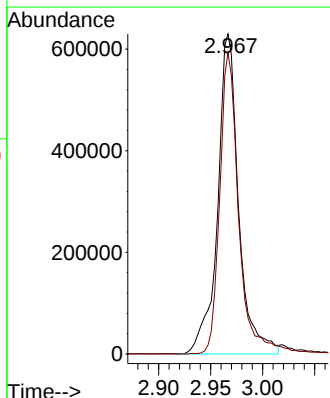
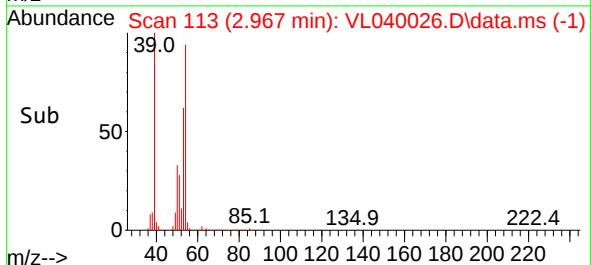
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

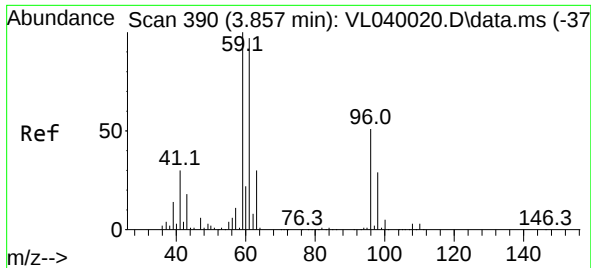


#16
1,3-Butadiene
Concen: 13.286 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



Tgt Ion: 39 Resp: 888158
Ion Ratio Lower Upper
39 100
54 85.9 68.3 102.5





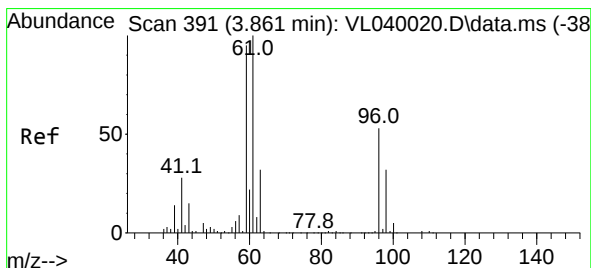
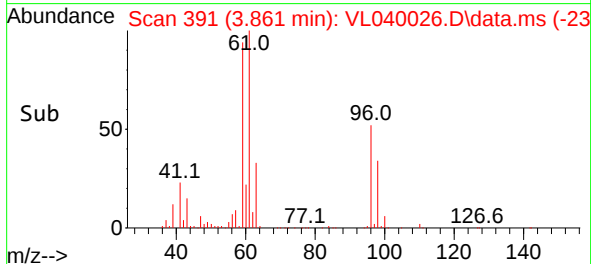
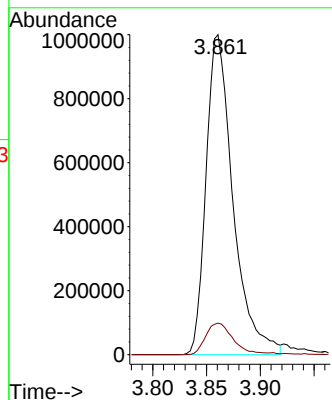
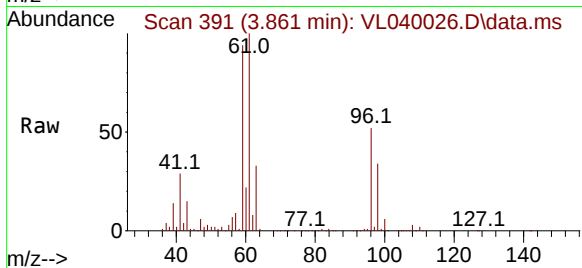
#17
tert-Butyl alcohol
Concen: 11.581 ppbv
RT: 3.861 min Scan# 391
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 1743530
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

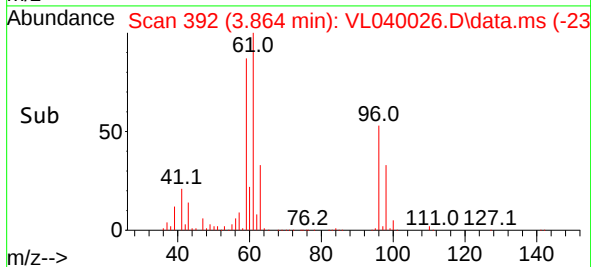
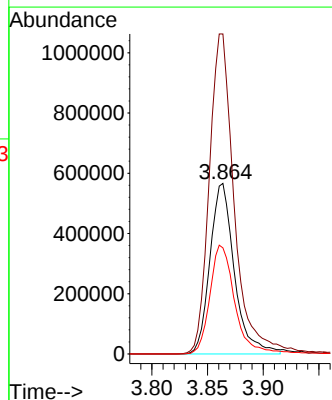
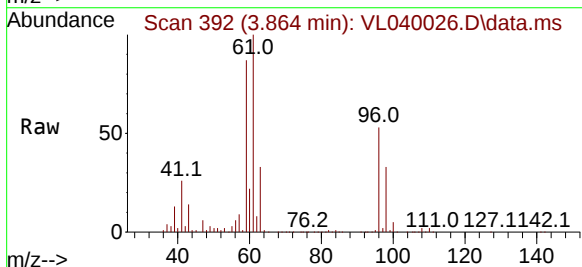
Manual Integrations
APPROVED

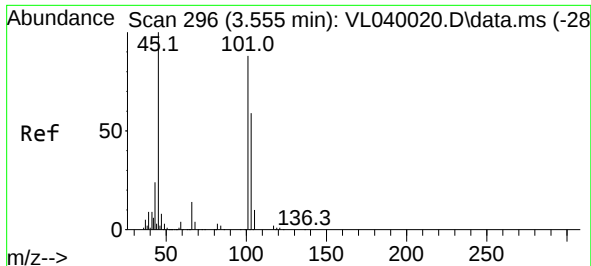
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#18
1,1-Dichloroethene
Concen: 12.968 ppbv
RT: 3.864 min Scan# 392
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 96 Resp: 864431
Ion Ratio Lower Upper
96 100
61 187.5 151.0 226.6
98 62.1 47.7 71.5





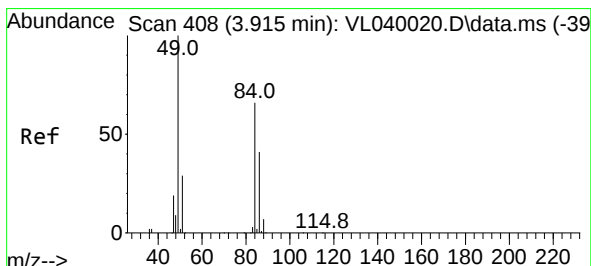
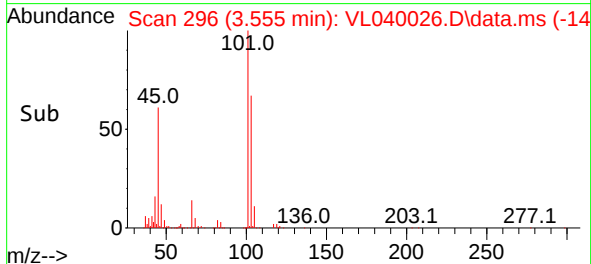
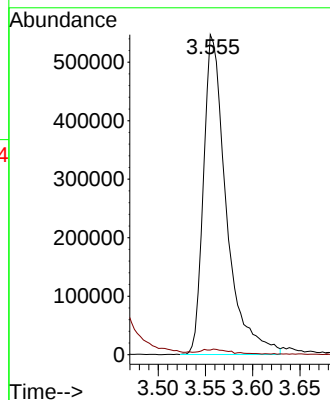
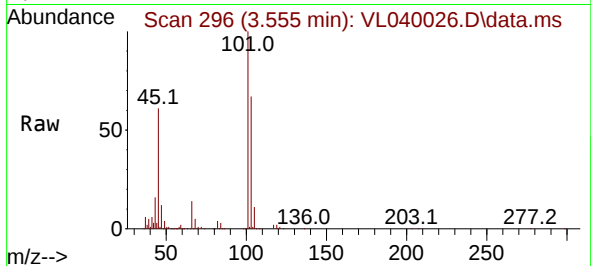
#19
Isopropyl Alcohol
Concen: 12.086 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument : MSVOA_L
ClientSampleId : VSTDIC015

Tgt Ion: 45 Resp: 915954
Ion Ratio Lower Upper
45 100
58 3.1 1.7 2.5

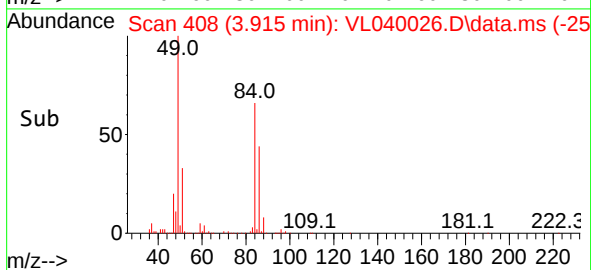
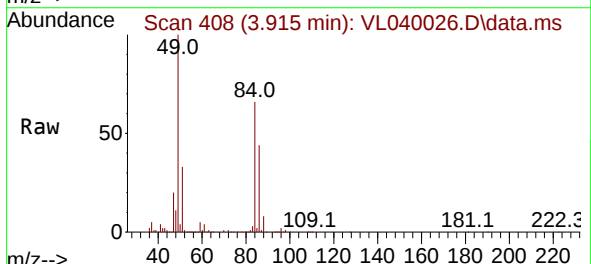
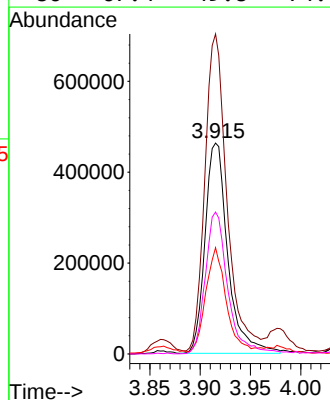
Manual Integrations
APPROVED

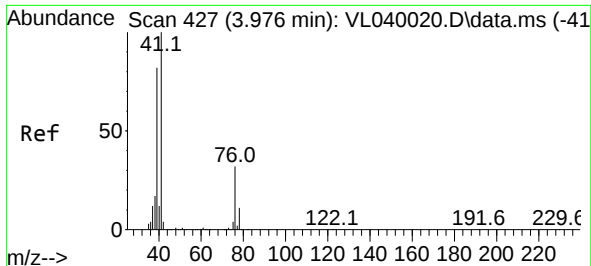
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#20
Methylene Chloride
Concen: 11.203 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

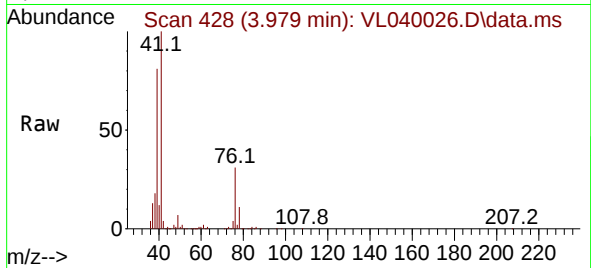
Tgt Ion: 84 Resp: 732357
Ion Ratio Lower Upper
84 100
49 150.3 120.5 180.7
51 49.3 35.2 52.8
86 67.4 49.8 74.6





#21
 Allyl Chloride
 Concen: 13.509 ppbv
 RT: 3.979 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

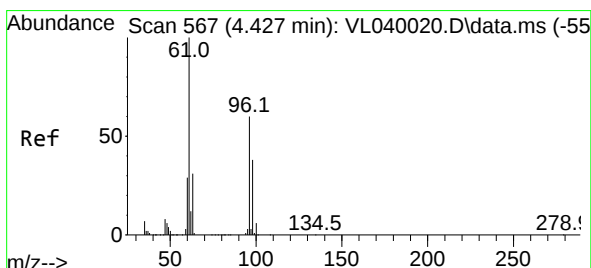
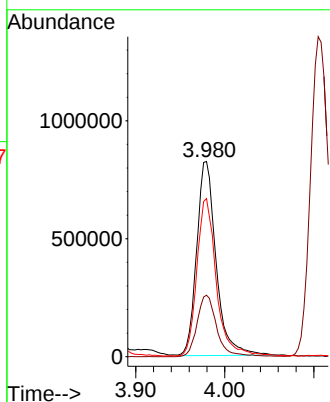
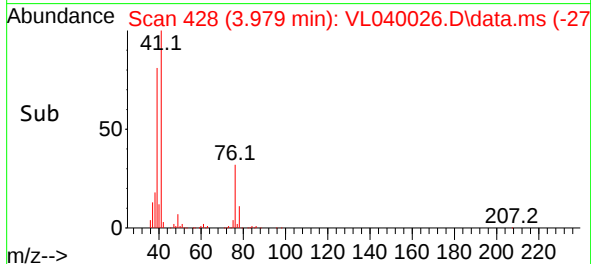
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion: 41 Resp: 1248400
 Ion Ratio Lower Upper
 41 100
 76 32.2 25.9 38.9
 39 81.8 66.0 99.0

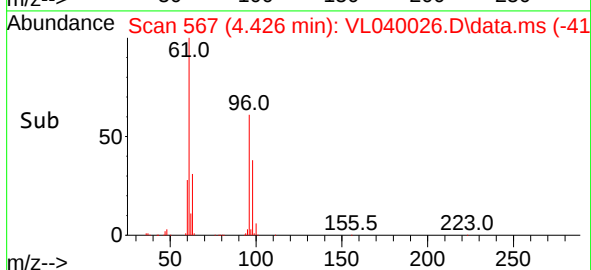
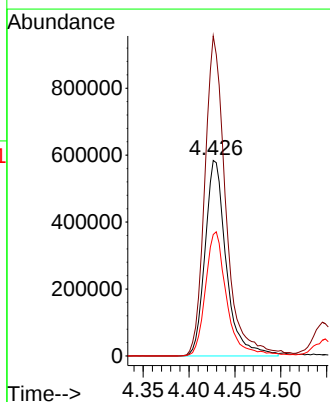
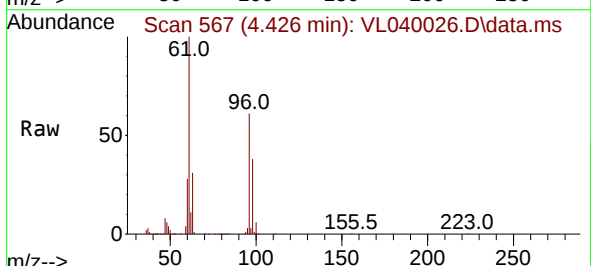
Manual Integrations
 APPROVED

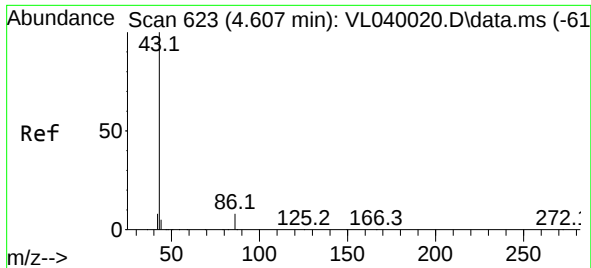
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#22
 trans-1,2-Dichloroethene
 Concen: 14.167 ppbv
 RT: 4.426 min Scan# 567
 Delta R.T. -0.000 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

Tgt Ion: 96 Resp: 941210
 Ion Ratio Lower Upper
 96 100
 61 163.7 133.6 200.4
 98 62.1 51.4 77.0





#23
 Vinyl Acetate
 Concen: 13.664 ppbv
 RT: 4.610 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

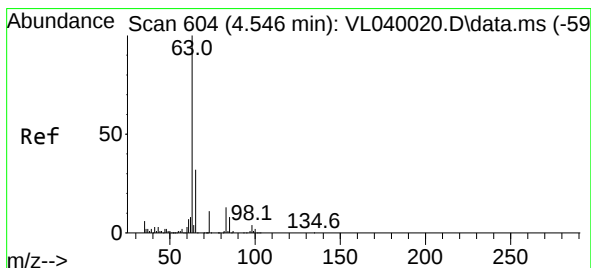
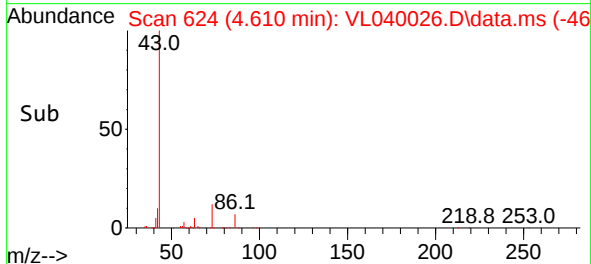
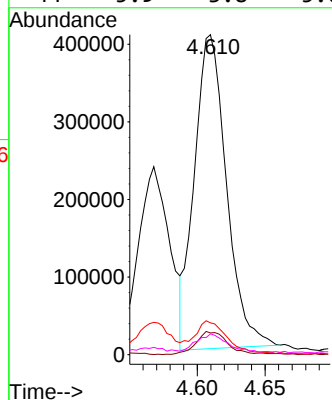
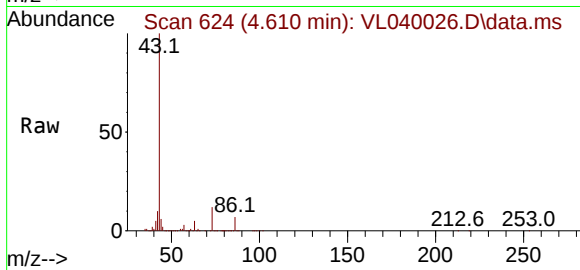
VSTDIC015

Tgt Ion: 43 Resp: 666419
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.3 7.9
 42 9.5 7.4 11.0
 44 5.9 3.8 5.6#

Manual Integrations

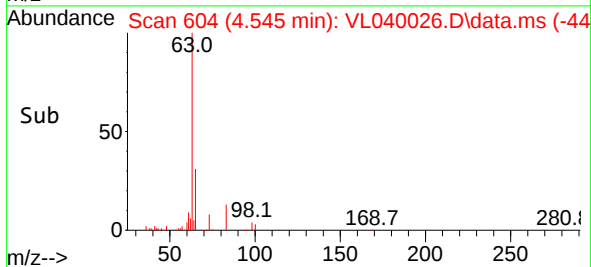
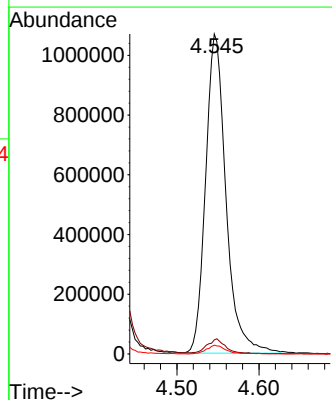
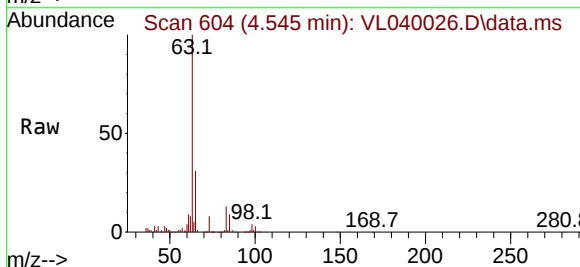
APPROVED

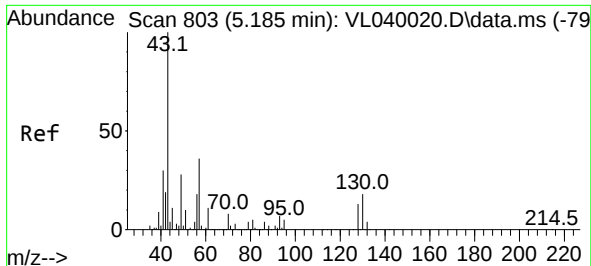
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#24
 1,1-Dichloroethane
 Concen: 12.858 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. -0.000 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

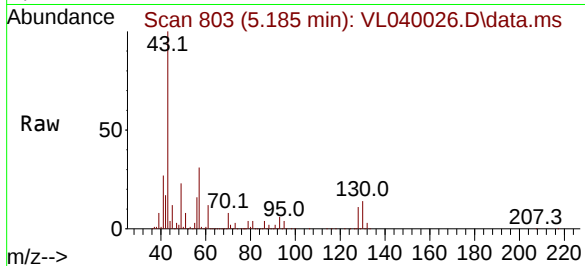
Tgt Ion: 63 Resp: 1841018
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.1 6.2
 100 2.7 1.1 3.3





#25
Ethyl Acetate
Concen: 12.538 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

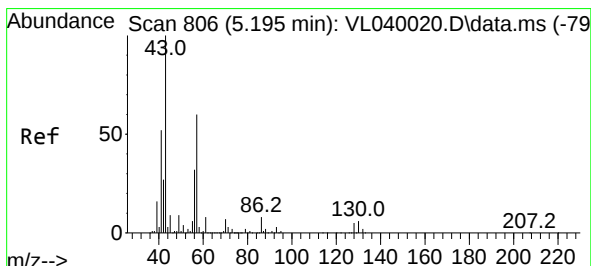
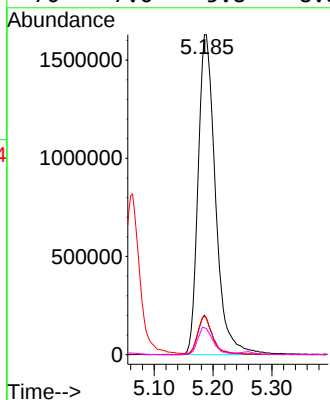
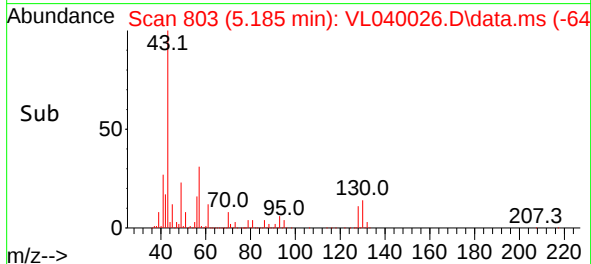
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



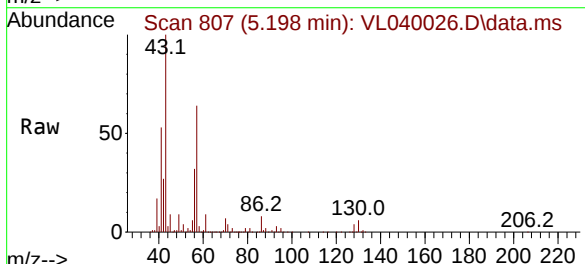
Tgt Ion: 43 Resp: 3339254
Ion Ratio Lower Upper
43 100
45 10.6 8.6 12.8
61 10.7 8.5 12.7
70 7.6 5.8 8.8

Manual Integrations
APPROVED

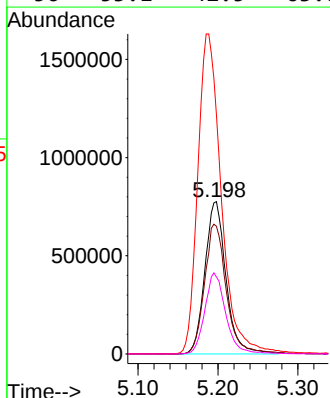
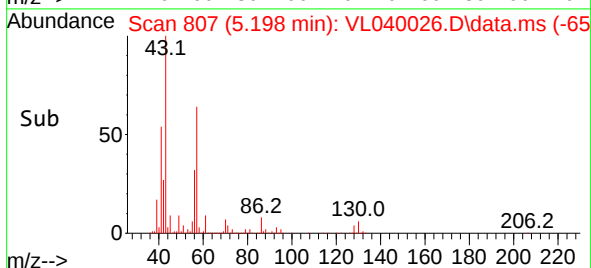
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

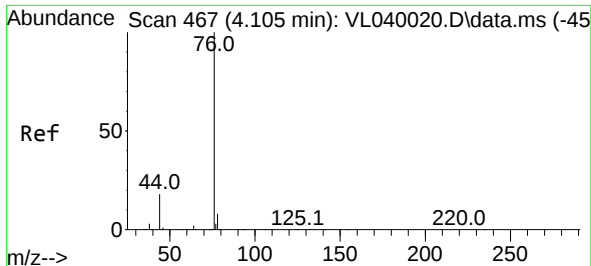


#26
Hexane
Concen: 12.740 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



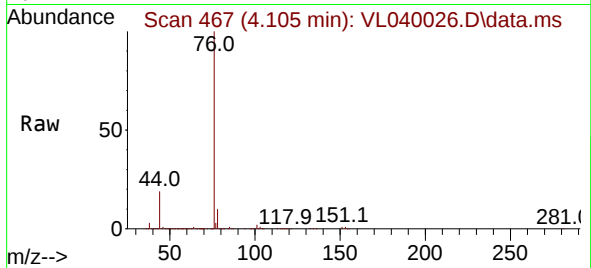
Tgt Ion: 57 Resp: 1426092
Ion Ratio Lower Upper
57 100
41 88.9 72.1 108.1
43 235.0 192.1 288.1
56 53.1 42.5 63.7





#27
Carbon Disulfide
Concen: 15.607 ppbv
RT: 4.105 min Scan# 467
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

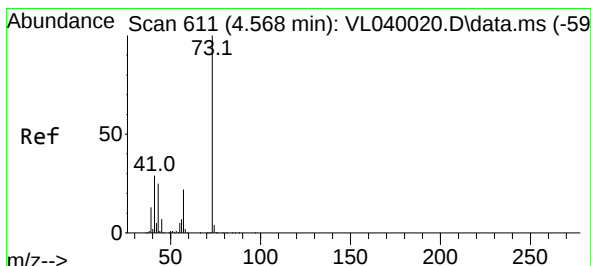
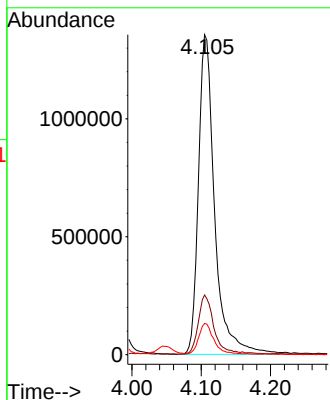
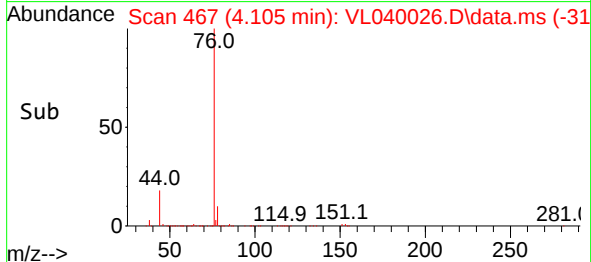
Instrument :
MSVOA_L
Client Sample Id :
VSTDIC015



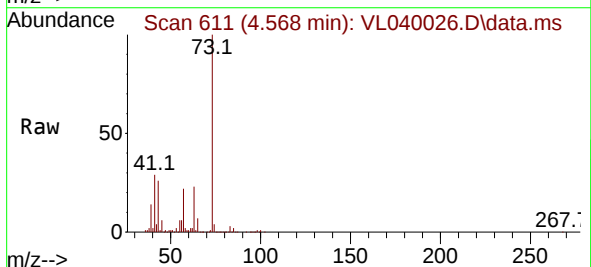
Tgt Ion: 76 Resp: 220355
Ion Ratio Lower Upper
76 100
44 18.0 15.3 22.9
78 9.4 7.8 11.6

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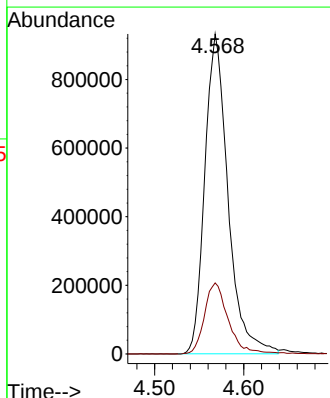
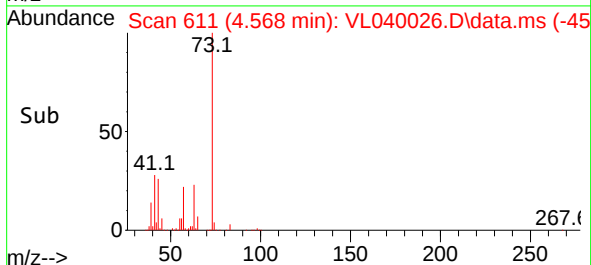
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

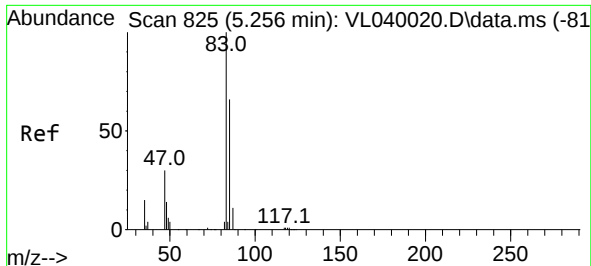


#28
Methyl tert-Butyl Ether
Concen: 12.791 ppbv
RT: 4.568 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



Tgt Ion: 73 Resp: 1687466
Ion Ratio Lower Upper
73 100
57 23.1 18.6 28.0





#29

Chloroform

Concen: 13.288 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 2269929

Ion Ratio Lower Upper

83 100

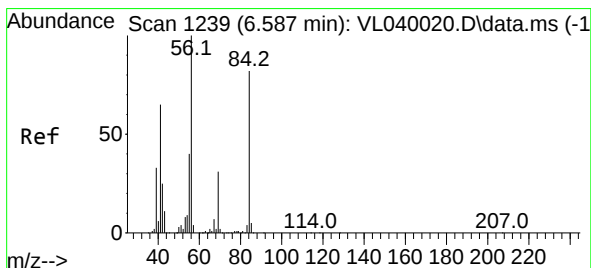
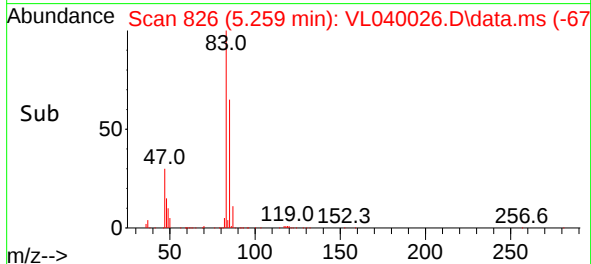
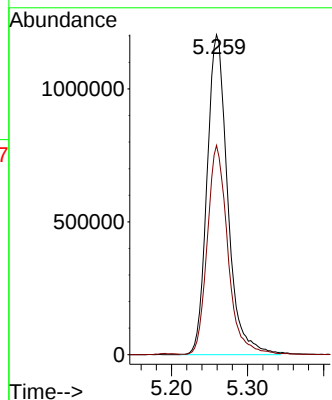
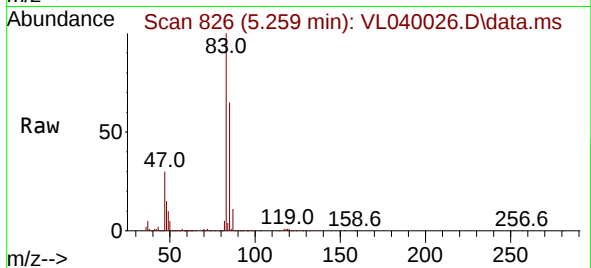
85 65.3 52.4 78.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#30

Cyclohexane

Concen: 13.323 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

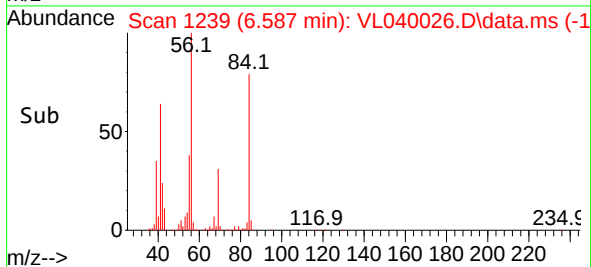
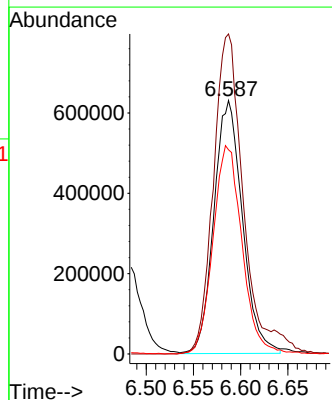
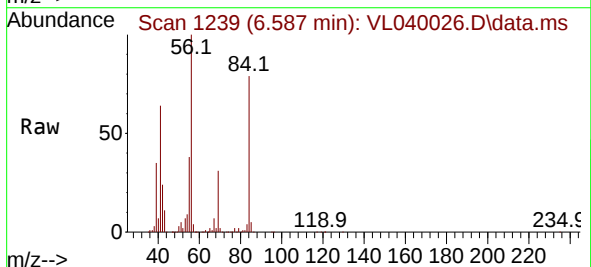
Tgt Ion: 84 Resp: 1320756

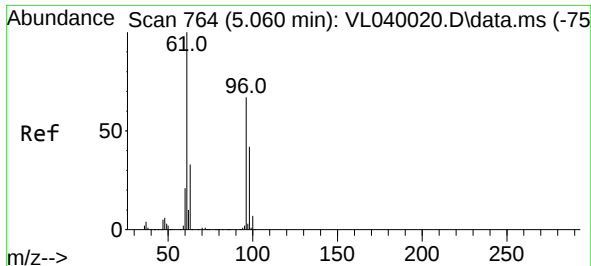
Ion Ratio Lower Upper

84 100

56 133.8 110.2 165.4

41 83.5 67.8 101.8





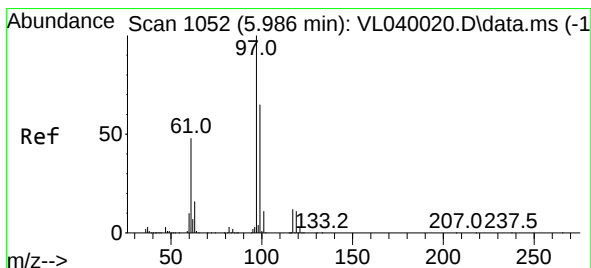
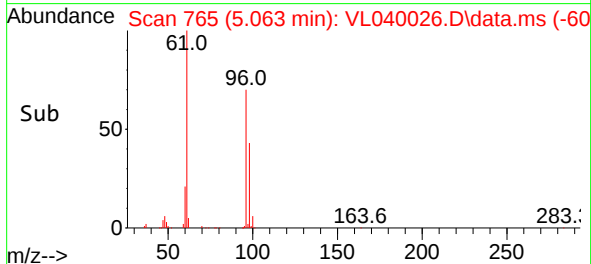
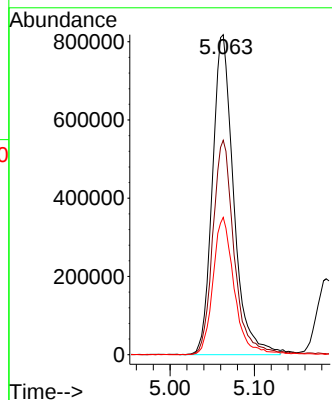
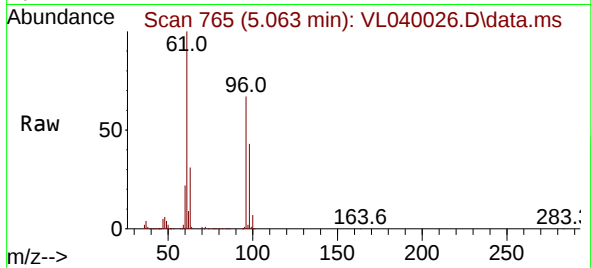
#31
 cis-1,2-Dichloroethene
 Concen: 13.421 ppbv
 RT: 5.063 min Scan# 764
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 1430714
 Ion Ratio Lower Upper
 61 100
 96 67.0 53.4 80.2
 98 42.8 33.4 50.0

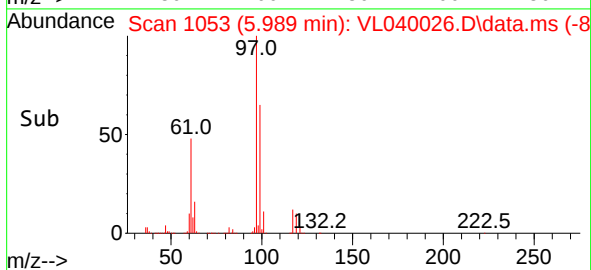
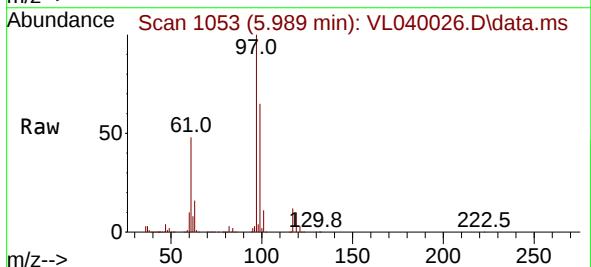
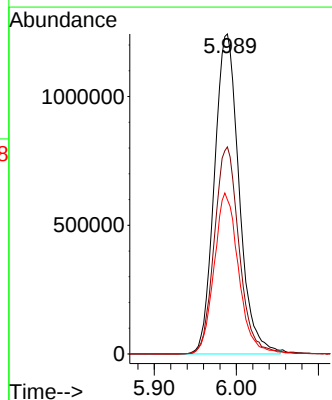
Manual Integrations
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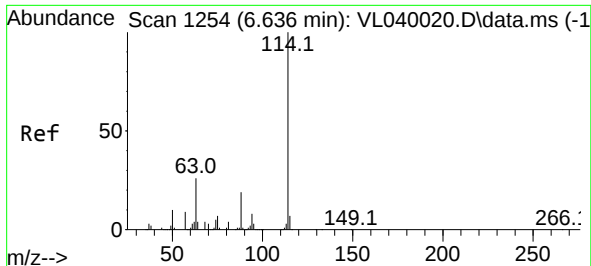
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#32
 1,1,1-Trichloroethane
 Concen: 14.206 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

Tgt Ion: 97 Resp: 2605899
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.8 77.6
 61 50.1 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:114 Resp: 2852840

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

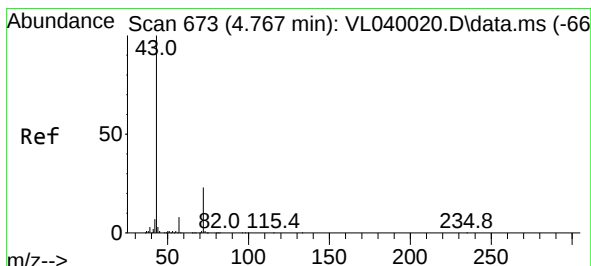
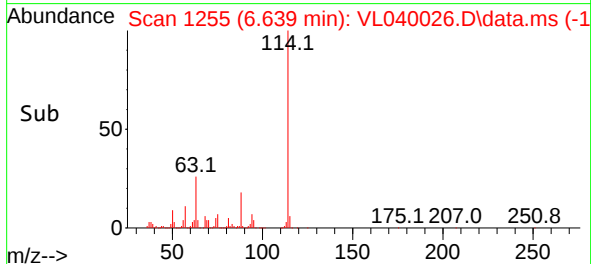
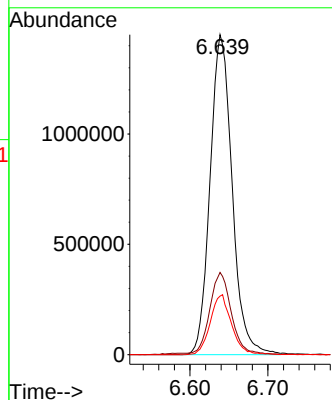
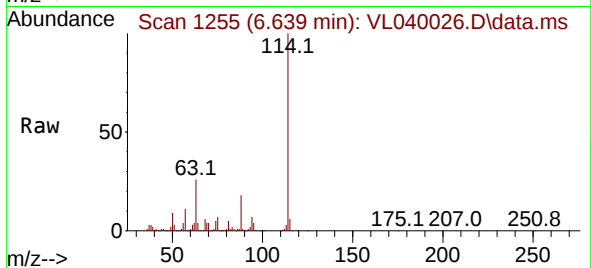
88 18.1 14.6 21.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#34

2-Butanone

Concen: 13.391 ppbv

RT: 4.767 min Scan# 673

Delta R.T. -0.000 min

Lab File: VL040026.D

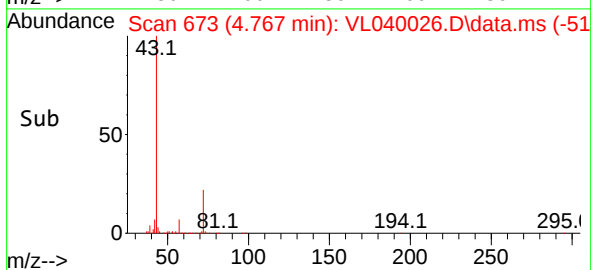
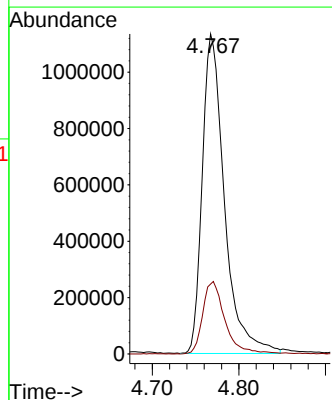
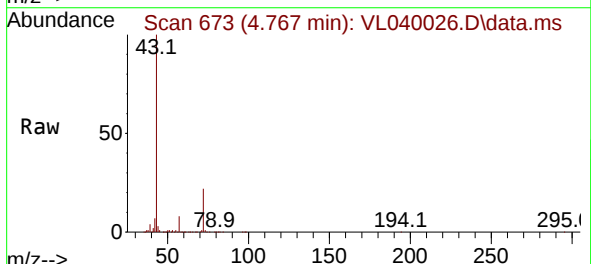
Acq: 19 Dec 2022 13:23

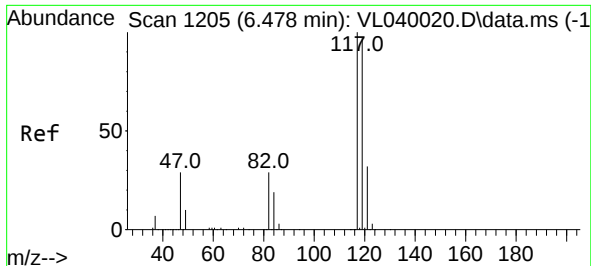
Tgt Ion: 43 Resp: 2016508

Ion Ratio Lower Upper

43 100

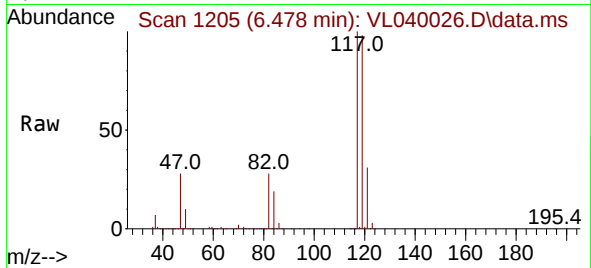
72 23.1 18.0 27.0





#35
Carbon Tetrachloride
Concen: 15.282 ppbv
RT: 6.478 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

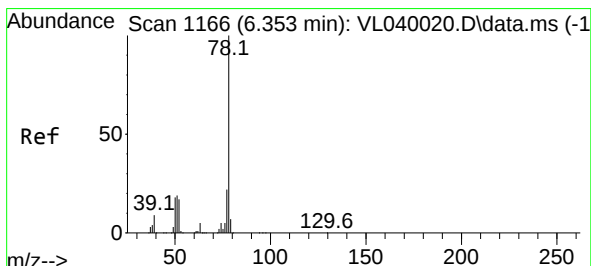
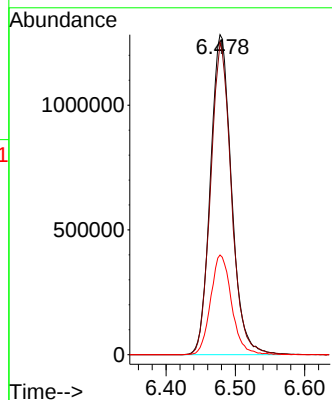
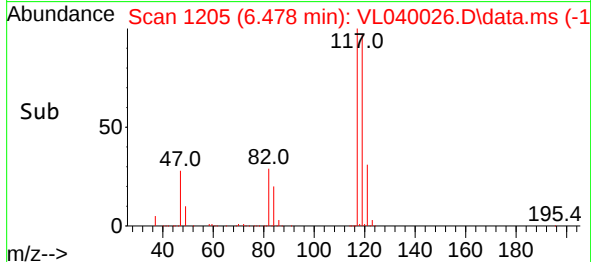
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 117 Resp: 2711898
Ion Ratio Lower Upper
117 100
119 97.5 77.3 115.9
121 31.1 25.4 38.0

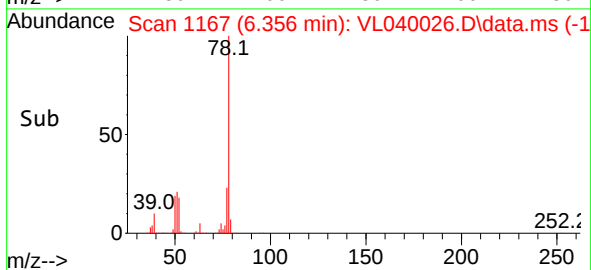
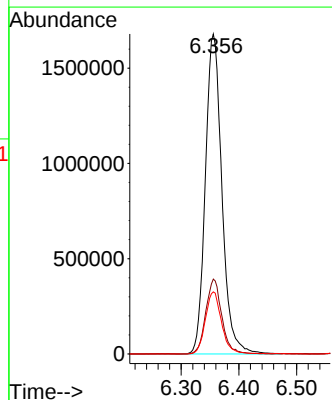
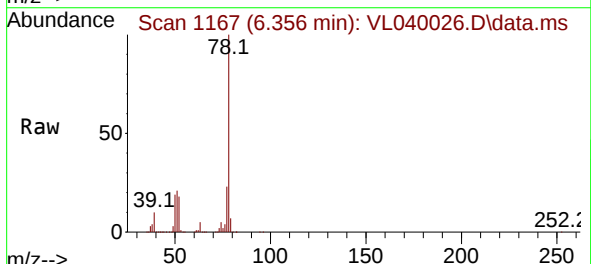
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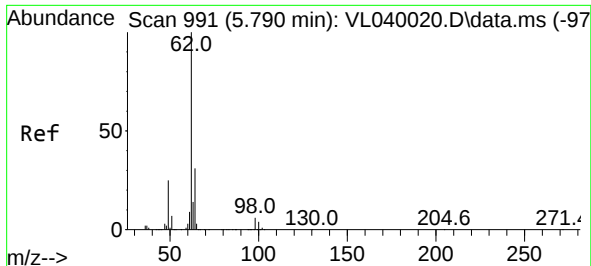
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#36
Benzene
Concen: 13.124 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 78 Resp: 3343740
Ion Ratio Lower Upper
78 100
77 23.4 17.5 26.3
50 19.4 14.2 21.2





#37

1,2-Dichloroethane

Concen: 13.524 ppbv

RT: 5.790 min Scan# 991

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 2021350

Ion Ratio Lower Upper

62 100

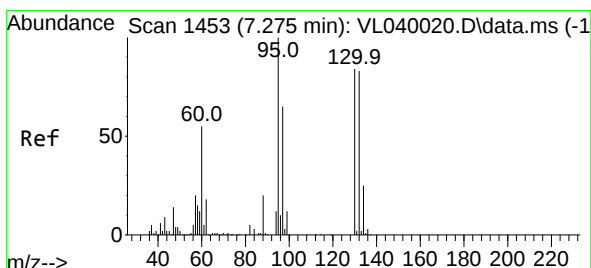
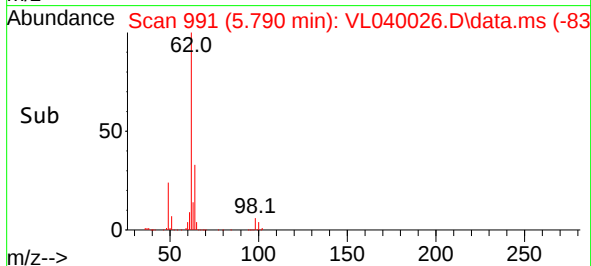
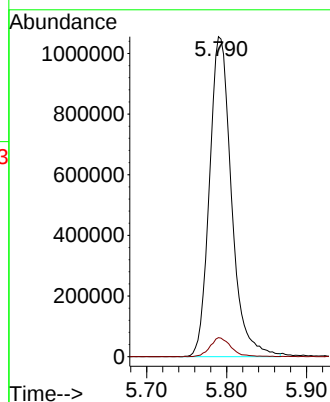
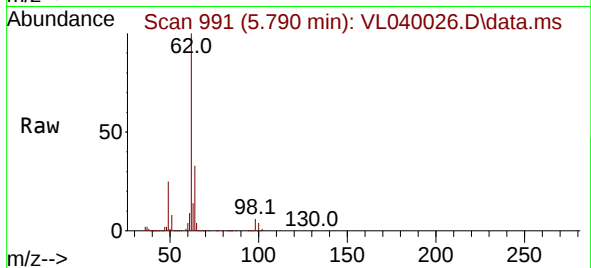
98 5.8 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#38

Trichloroethene

Concen: 14.986 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Tgt Ion:130 Resp: 1972843

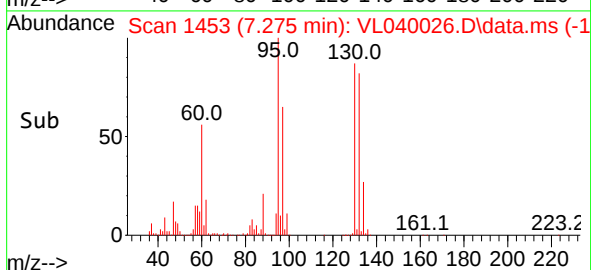
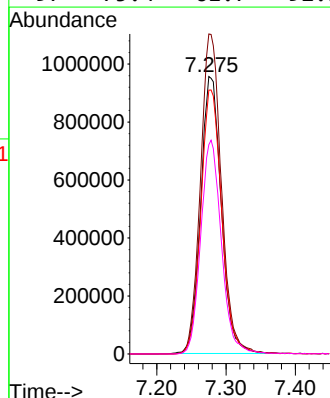
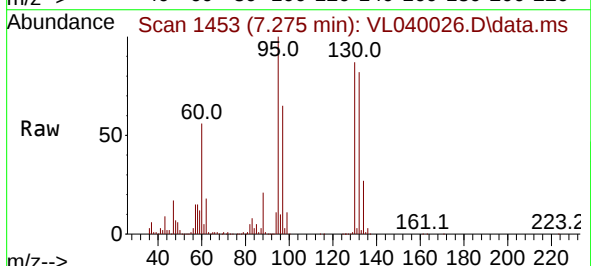
Ion Ratio Lower Upper

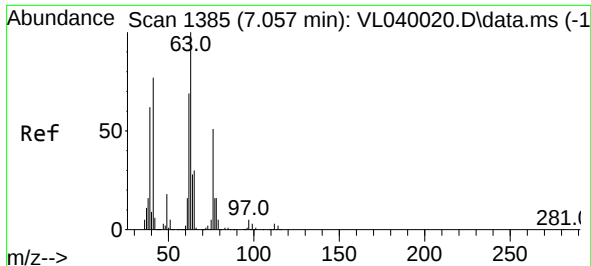
130 100

95 115.3 94.8 142.2

132 95.1 78.2 117.4

97 75.4 61.7 92.5





#39

1,2-Dichloropropane

Concen: 13.356 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1275530

Ion Ratio Lower Upper

63 100

41 75.5 61.4 92.0

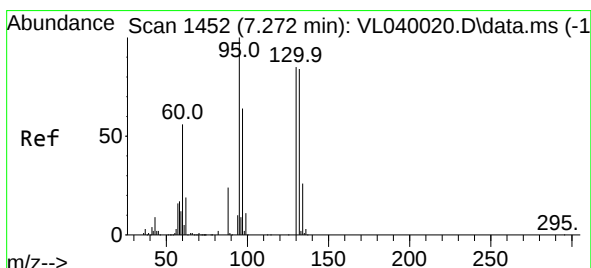
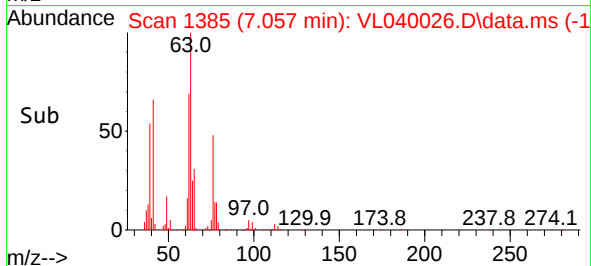
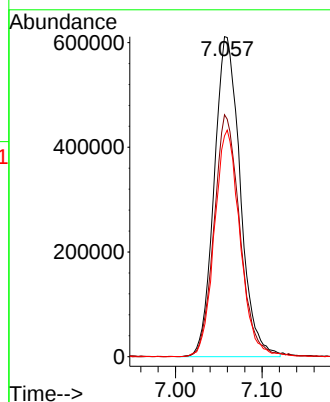
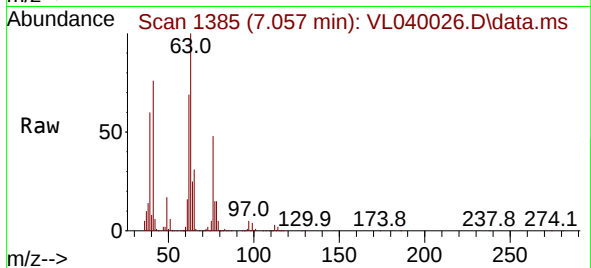
62 69.0 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#40

1,4-Dioxane

Concen: 12.352 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. -0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Tgt Ion: 88 Resp: 535020

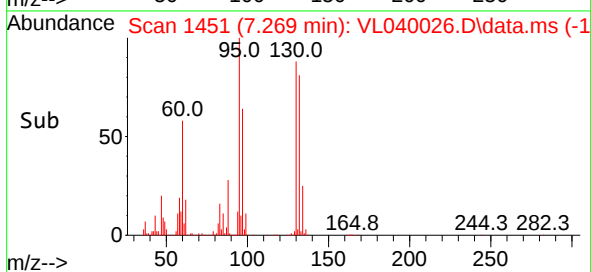
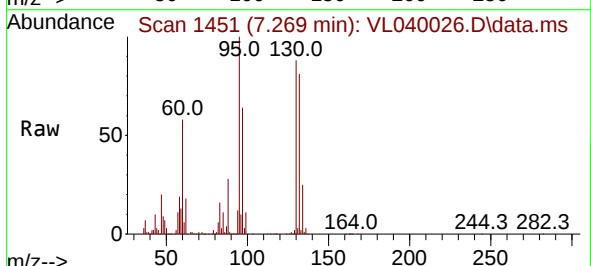
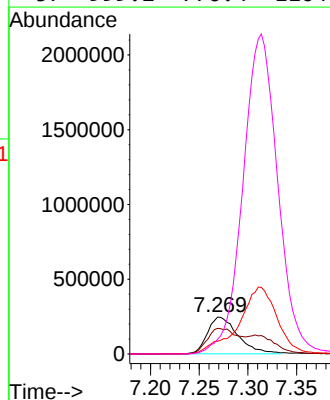
Ion Ratio Lower Upper

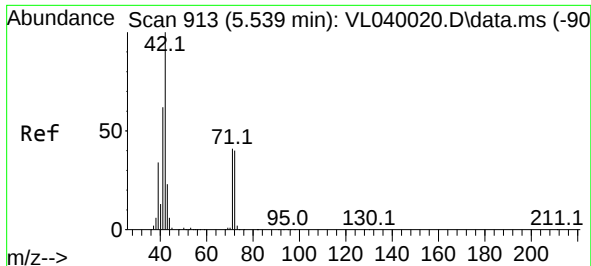
88 100

58 118.4 92.7 139.1

43 230.8 174.6 261.8

57 999.2 776.4 1164.6





#41

Tetrahydrofuran

Concen: 13.529 ppbv

RT: 5.539 min Scan# 913

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 42 Resp: 126546

Ion Ratio Lower Upper

42 100

72 41.8 32.9 49.3

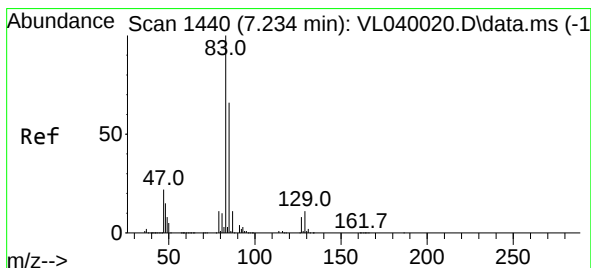
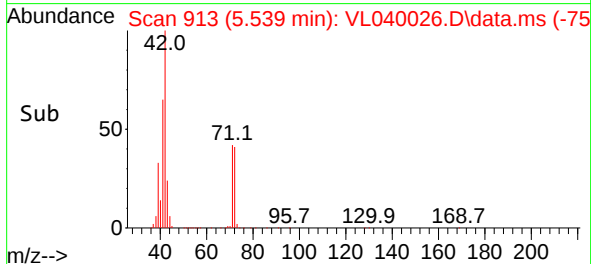
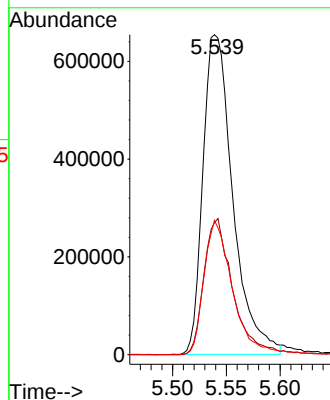
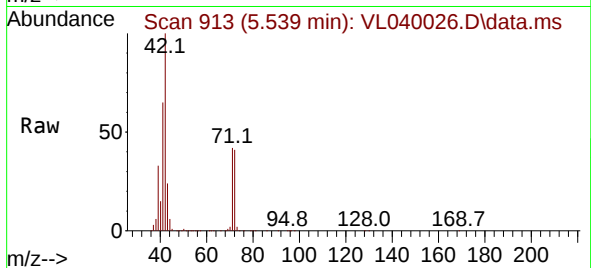
71 40.5 32.2 48.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#42

Bromodichloromethane

Concen: 14.167 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

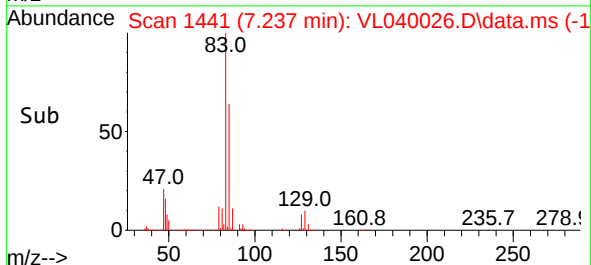
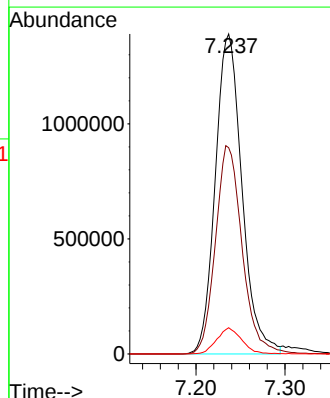
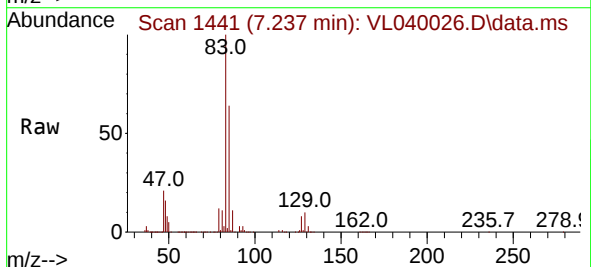
Tgt Ion: 83 Resp: 2895313

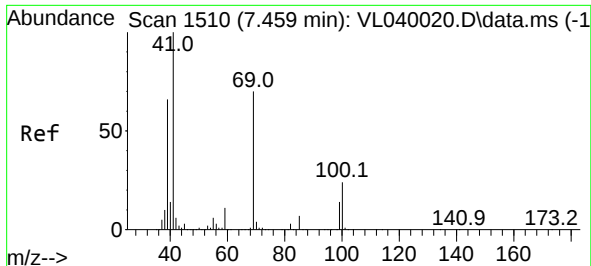
Ion Ratio Lower Upper

83 100

85 64.4 53.0 79.6

127 8.2 6.2 9.2





#43

Methyl Methacrylate

Concen: 14.075 ppbv

RT: 7.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 69 Resp: 1345800

Ion Ratio Lower Upper

69 100

41 145.2 115.7 173.5

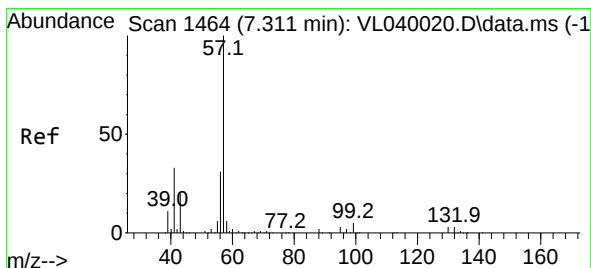
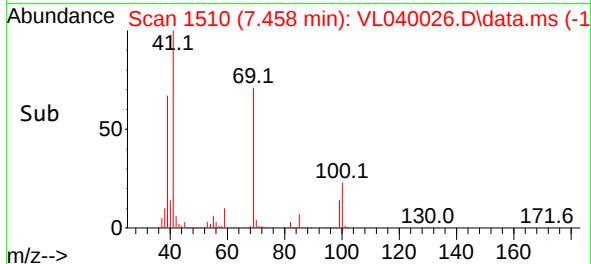
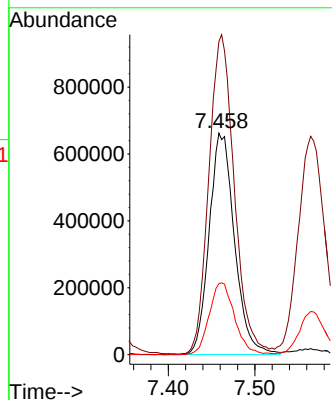
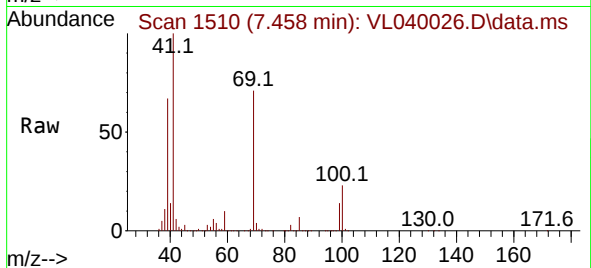
100 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#44

2,2,4-Trimethylpentane

Concen: 12.733 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

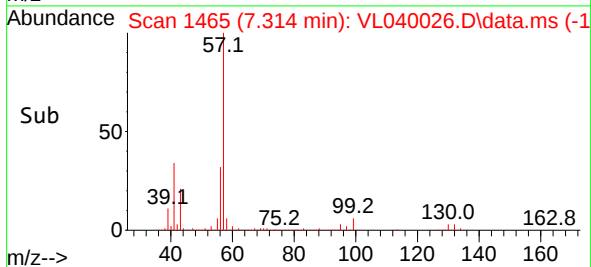
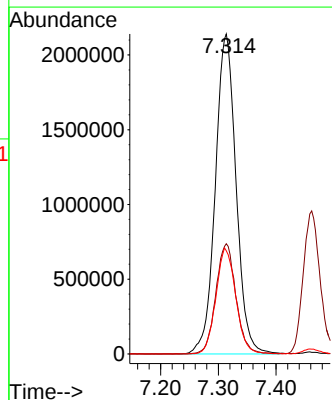
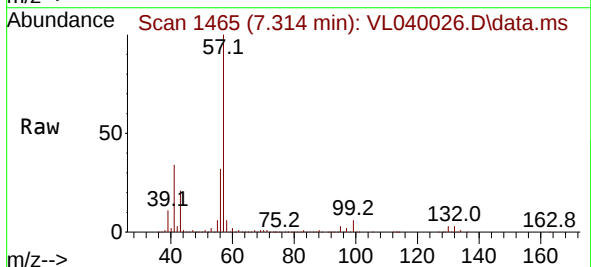
Tgt Ion: 57 Resp: 5340760

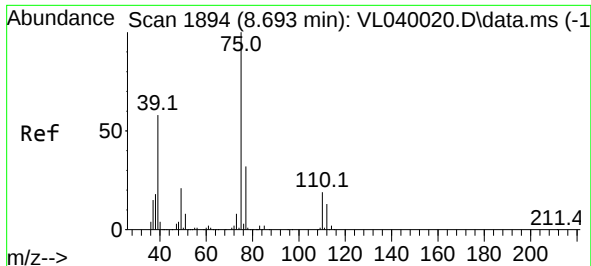
Ion Ratio Lower Upper

57 100

41 33.3 26.2 39.4

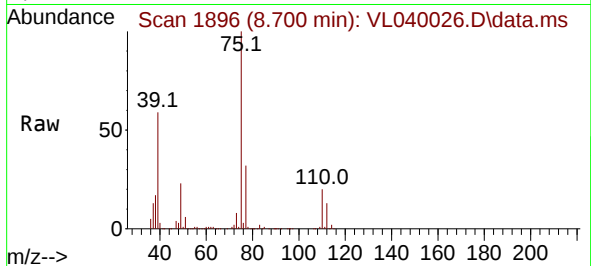
56 31.8 25.1 37.7





#45
t-1,3-Dichloropropene
Concen: 16.965 ppbv
RT: 8.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

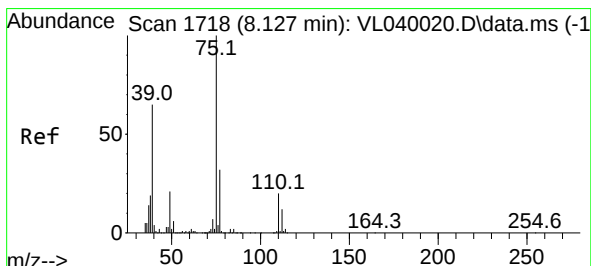
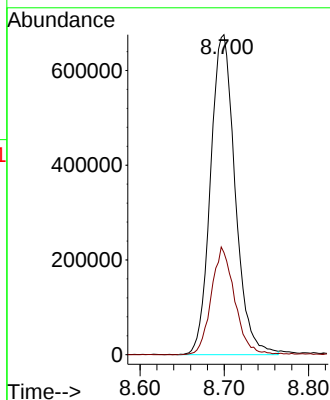
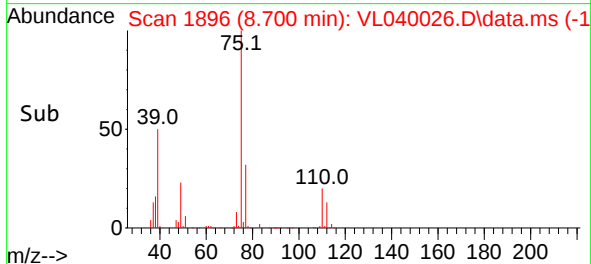
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 75 Resp: 137085
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

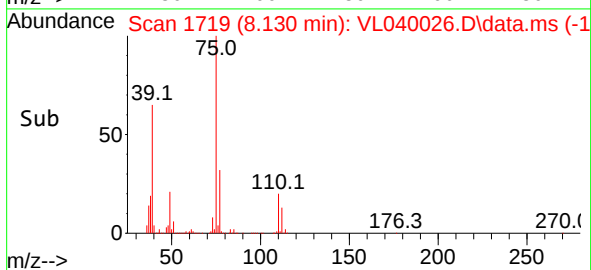
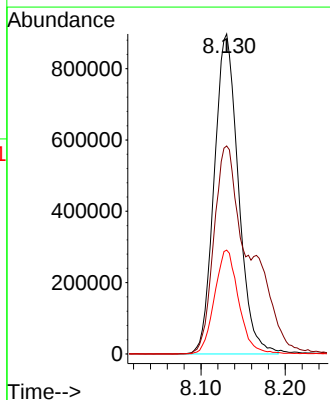
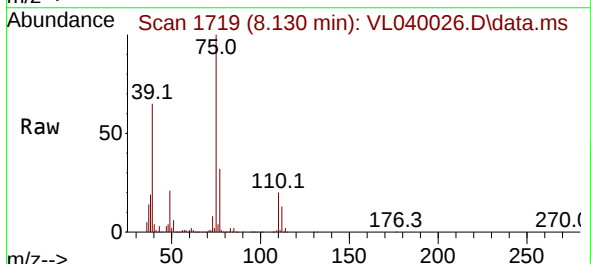
Manual Integrations
APPROVED

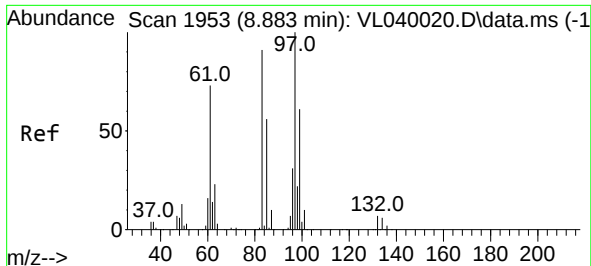
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#46
cis-1,3-Dichloropropene
Concen: 15.667 ppbv
RT: 8.130 min Scan# 1719
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 75 Resp: 1785858
Ion Ratio Lower Upper
75 100
39 65.0 51.7 77.5
77 32.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 13.518 ppbv

RT: 8.889 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 141243

Ion Ratio Lower Upper

97 100

83 90.9 72.5 108.7

85 56.9 45.0 67.6

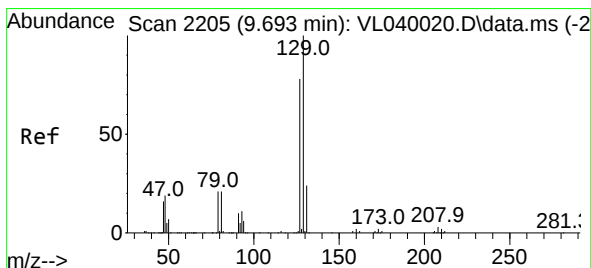
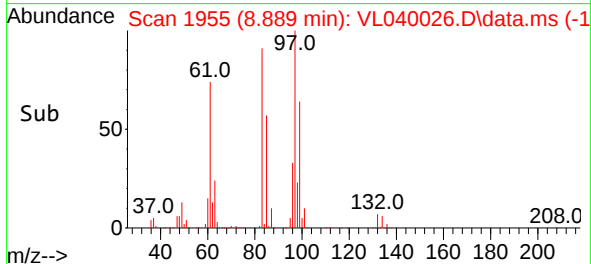
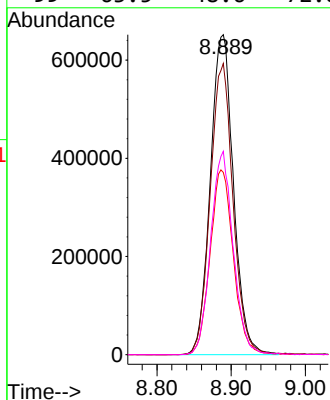
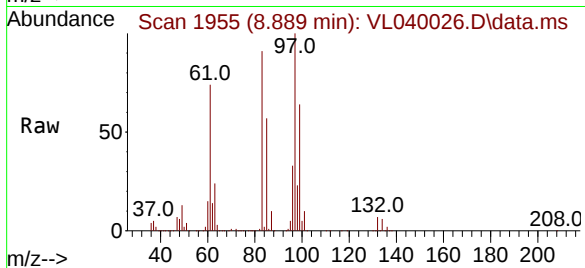
99 63.5 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#48

Dibromochloromethane

Concen: 15.081 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. 0.006 min

Lab File: VL040026.D

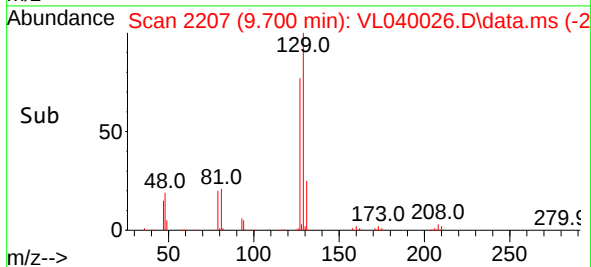
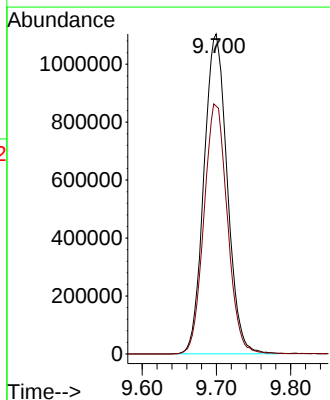
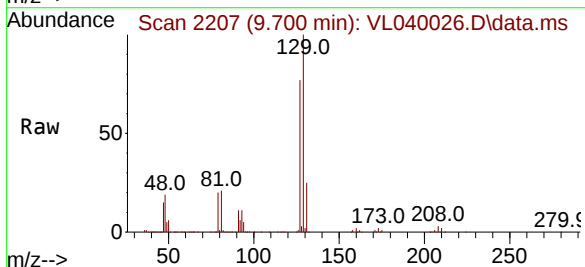
Acq: 19 Dec 2022 13:23

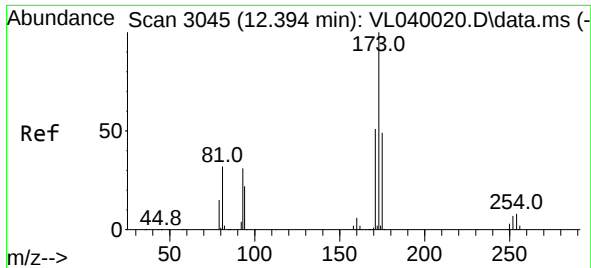
Tgt Ion:129 Resp: 2401448

Ion Ratio Lower Upper

129 100

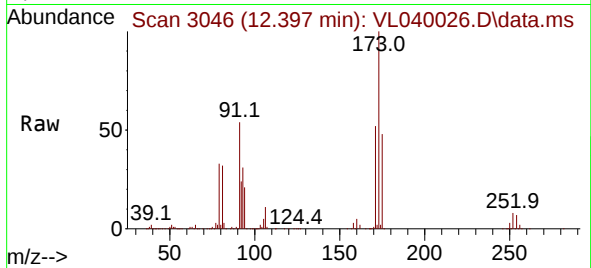
127 78.9 39.4 118.1





#49
Bromoform
Concen: 15.841 ppbv
RT: 12.397 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

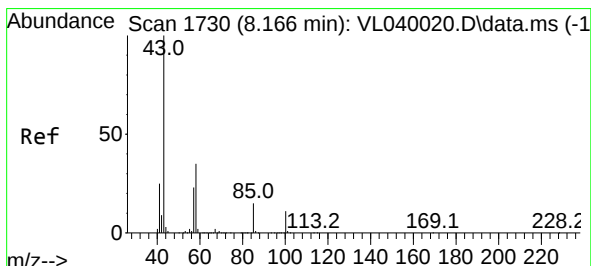
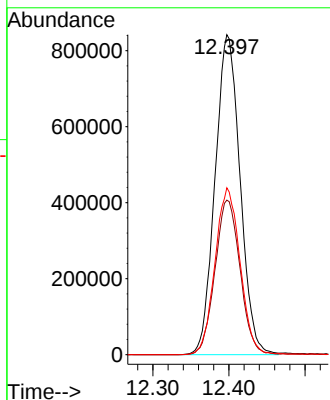
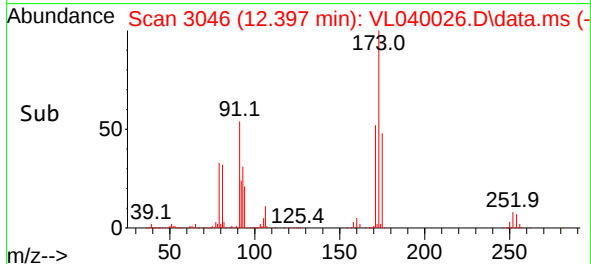
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:173 Resp: 1921834
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.4
171 52.5 42.0 63.0

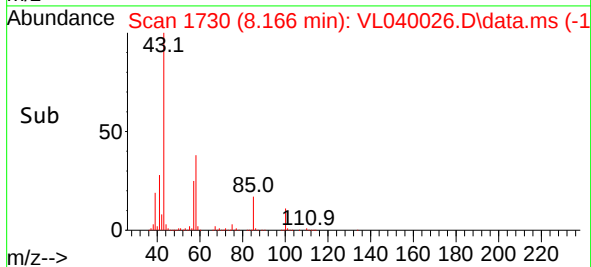
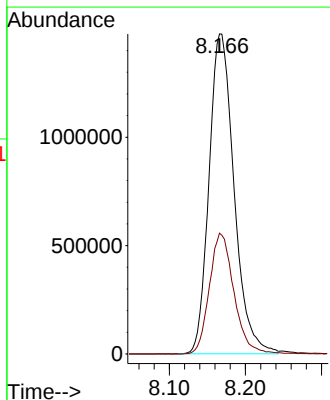
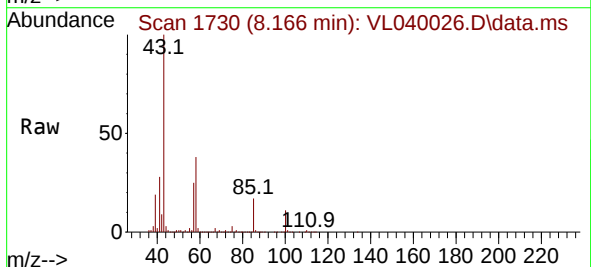
Manual Integrations
APPROVED

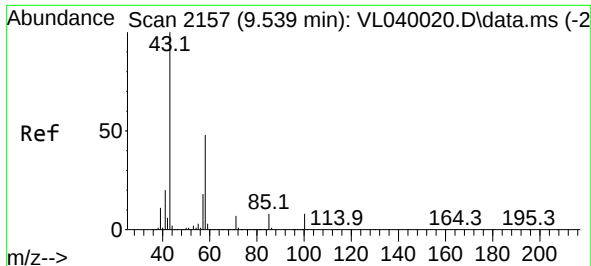
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#50
4-Methyl-2-Pentanone
Concen: 13.372 ppbv
RT: 8.166 min Scan# 1730
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

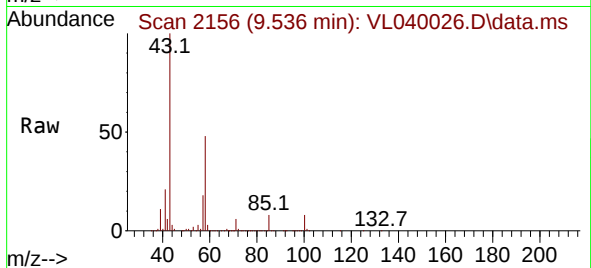
Tgt Ion: 43 Resp: 3380932
Ion Ratio Lower Upper
43 100
58 37.1 29.0 43.4





#51
2-Hexanone
Concen: 13.901 ppbv
RT: 9.536 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

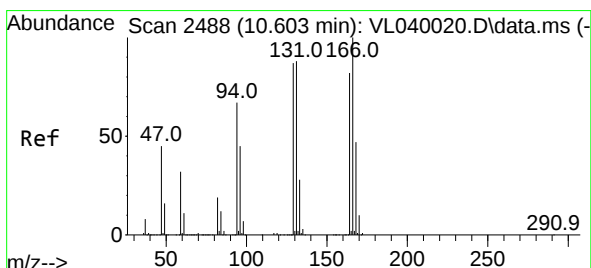
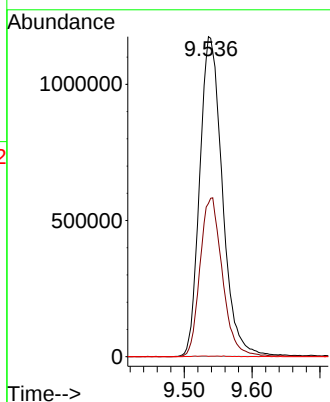
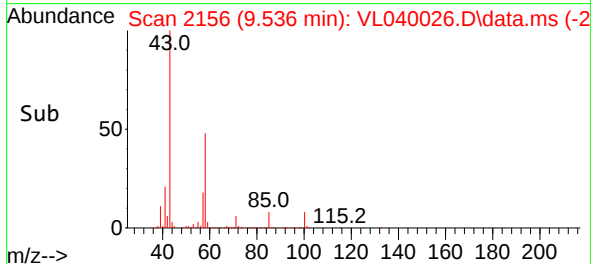
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 2725340
Ion Ratio Lower Upper
43 100
58 49.3 39.4 59.2
98 0.3 0.2 0.4

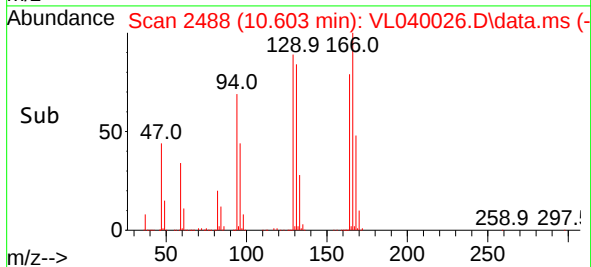
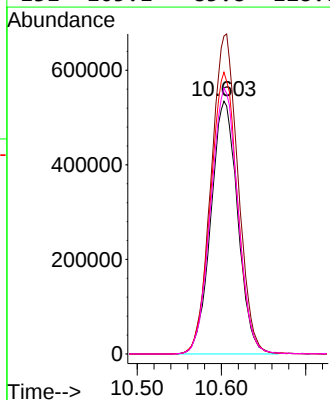
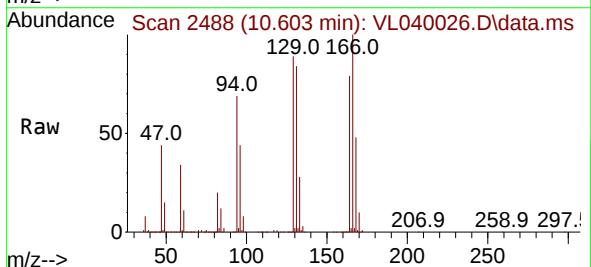
Manual Integrations
APPROVED

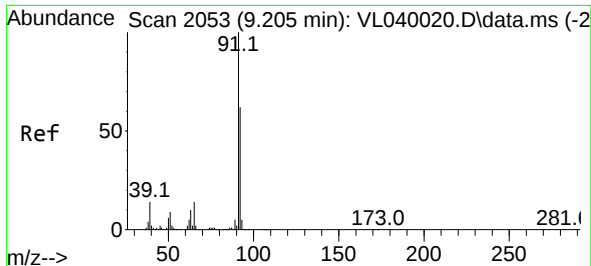
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#52
Tetrachloroethene
Concen: 13.493 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

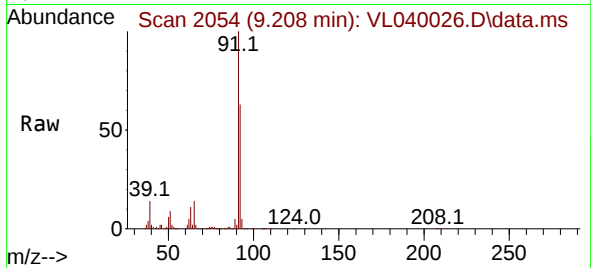
Tgt Ion:164 Resp: 1176522
Ion Ratio Lower Upper
164 100
166 125.8 97.4 146.0
129 111.4 84.3 126.5
131 105.1 85.8 128.8





#53
Toluene
Concen: 13.539 ppbv
RT: 9.208 min Scan# 2053
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

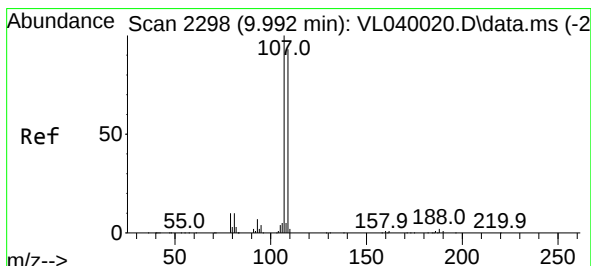
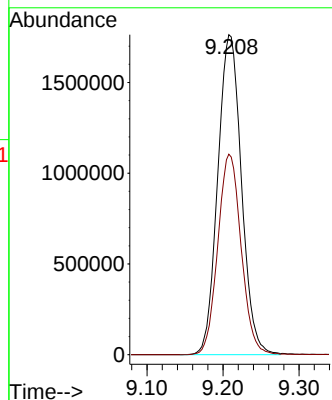
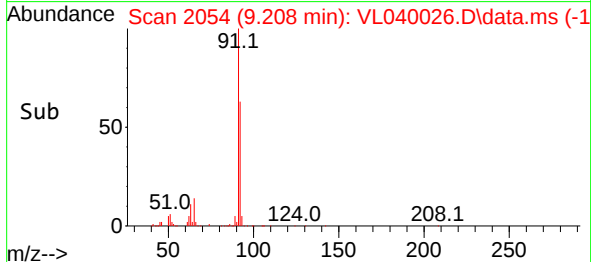
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



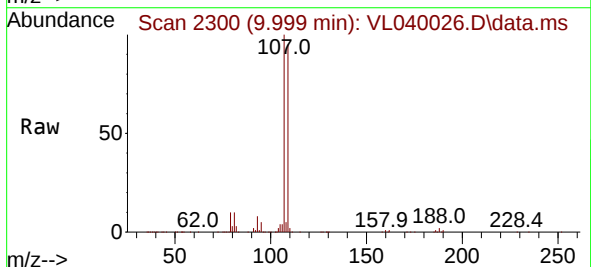
Tgt Ion: 91 Resp: 3819380
Ion Ratio Lower Upper
91 100
92 61.8 48.7 73.1

Manual Integrations
APPROVED

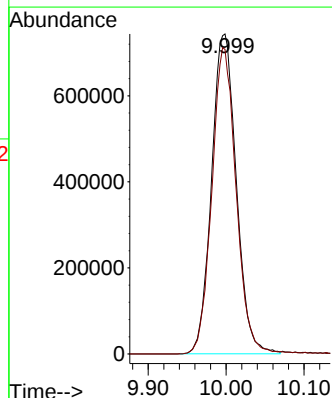
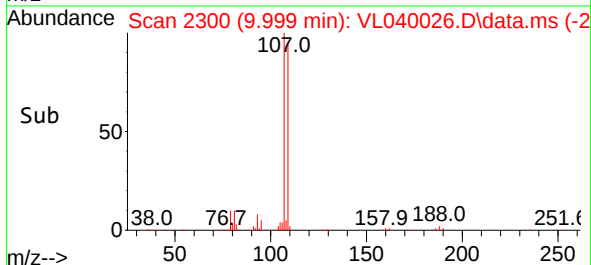
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

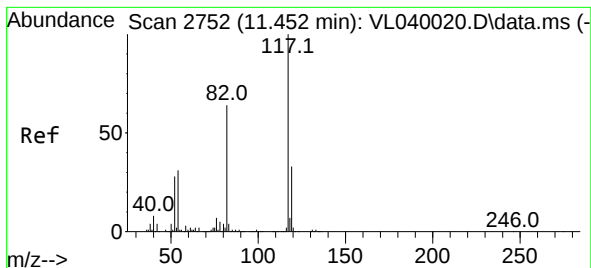


#54
1,2-Dibromoethane
Concen: 14.671 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



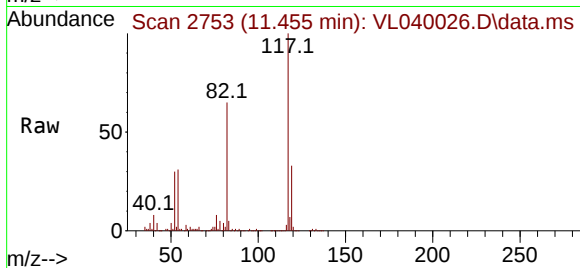
Tgt Ion:107 Resp: 1641217
Ion Ratio Lower Upper
107 100
109 95.2 74.1 111.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

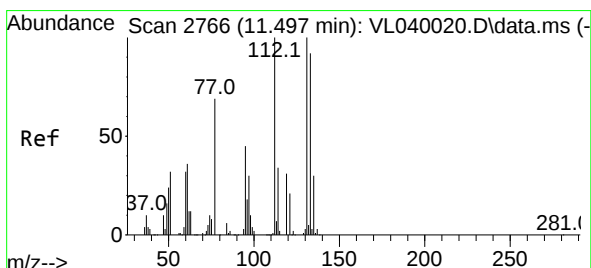
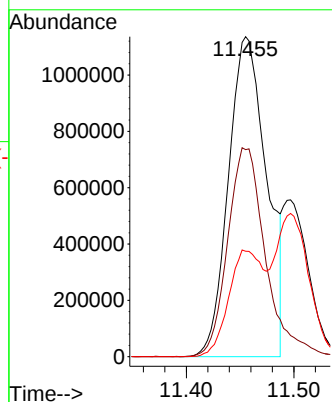
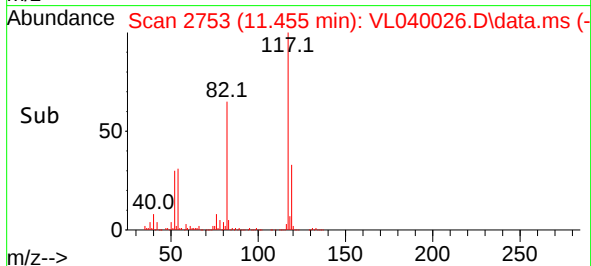
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



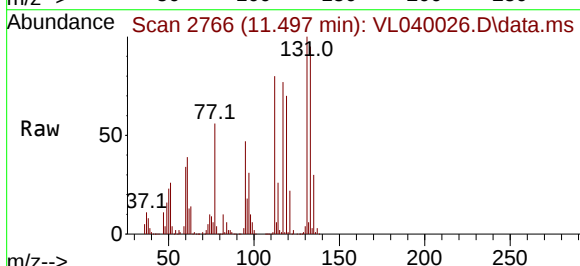
Tgt Ion:117 Resp: 2806120
Ion Ratio Lower Upper
117 100
82 64.8 51.2 76.8
119 32.1 23.2 34.8

Manual Integrations
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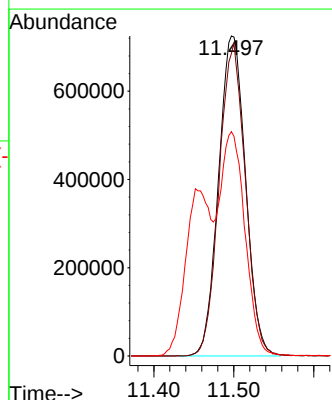
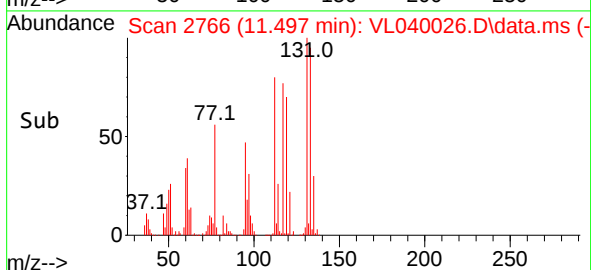
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

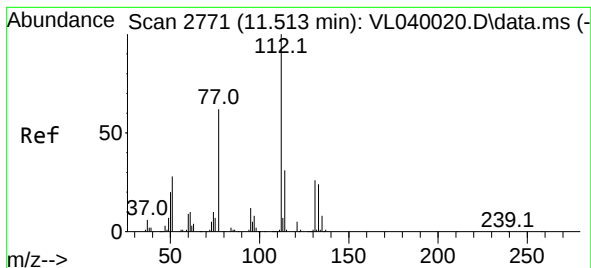


#56
1,1,1,2-Tetrachloroethane
Concen: 13.114 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



Tgt Ion:131 Resp: 1698507
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.8
119 70.3 52.3 78.5





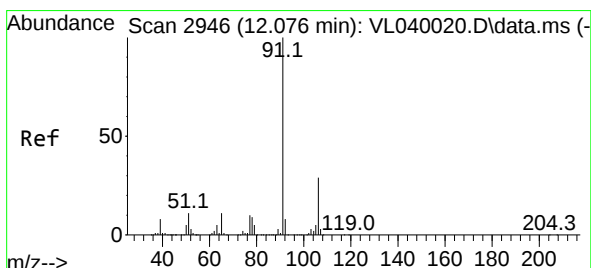
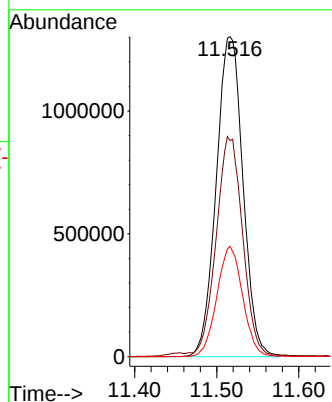
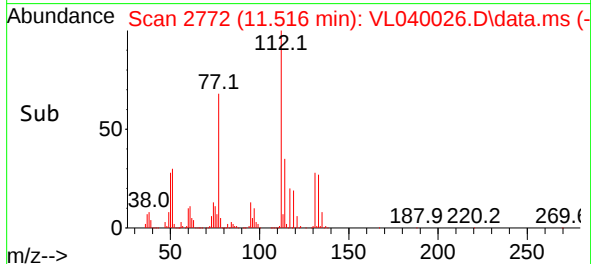
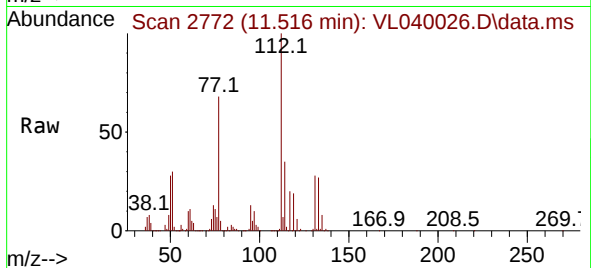
#57
Chlorobenzene
Concen: 12.400 ppbv
RT: 11.516 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 295372
Ion Ratio Lower Upper
112 100
77 67.1 50.6 75.8
114 34.5 27.8 34.0

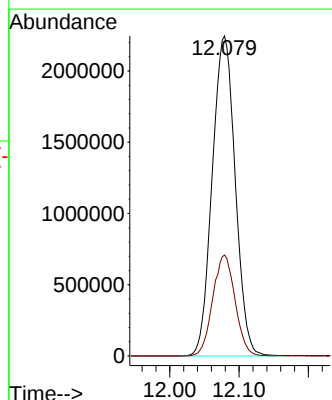
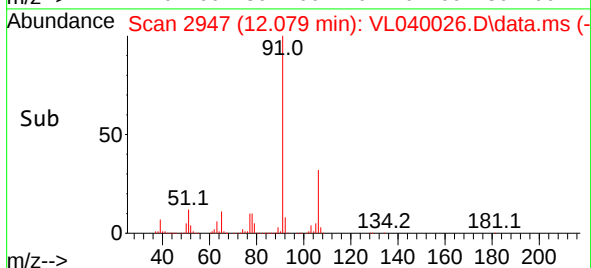
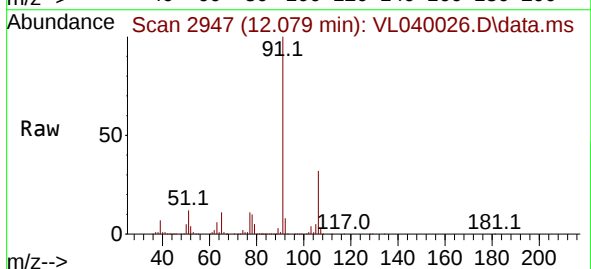
Manual Integrations
APPROVED

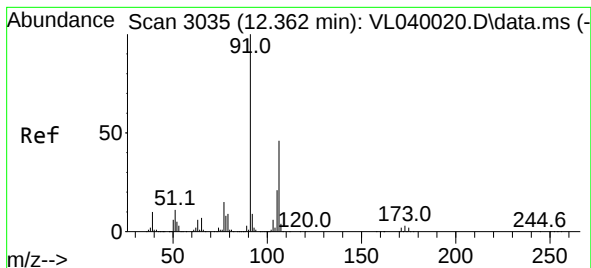
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#58
Ethyl Benzene
Concen: 12.988 ppbv
RT: 12.079 min Scan# 2947
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 91 Resp: 5178070
Ion Ratio Lower Upper
91 100
106 31.6 23.5 35.3





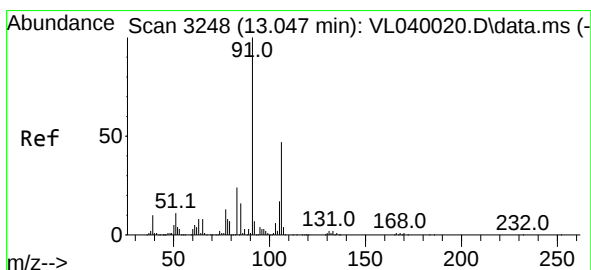
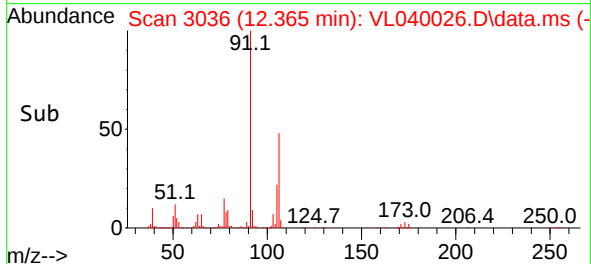
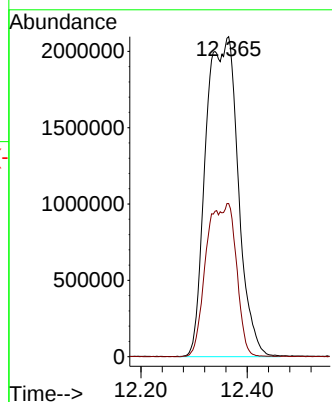
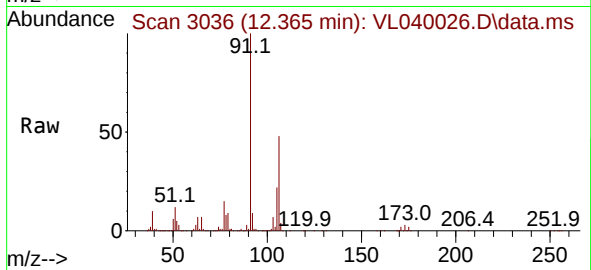
#59
m/p-Xylene
Concen: 25.342 ppbv m
RT: 12.365 min Scan# 3035
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 880090
Ion Ratio Lower Upper
91 100
106 44.6 35.5 53.3

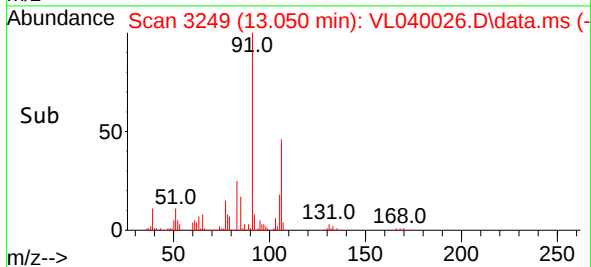
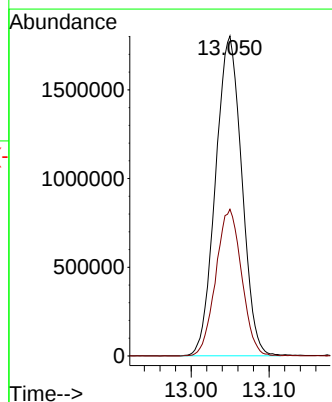
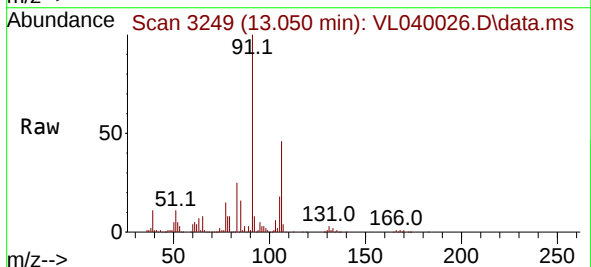
Manual Integrations
APPROVED

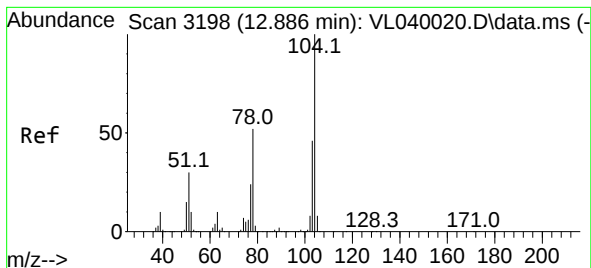
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#60
o-Xylene
Concen: 12.691 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion: 91 Resp: 4220746
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.0





#61

Styrene

Concen: 14.453 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 2563379

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

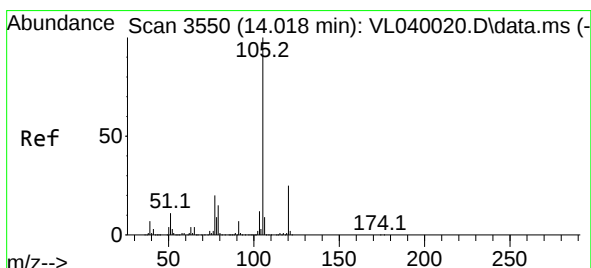
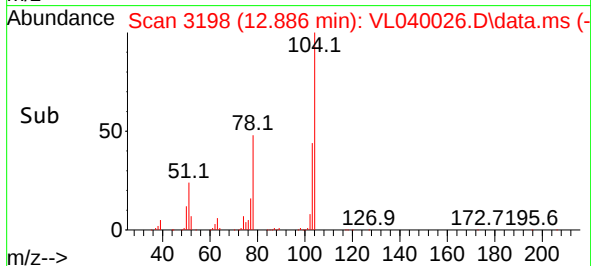
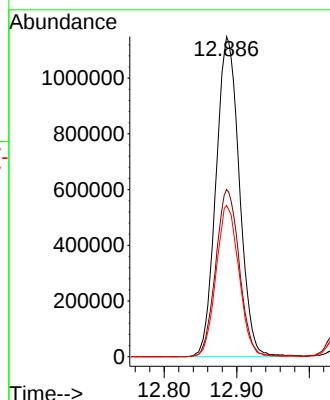
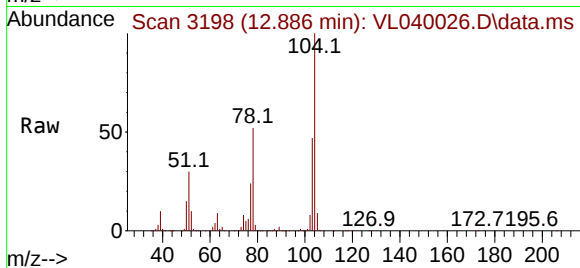
103 46.7 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#62

Isopropylbenzene

Concen: 12.304 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.000 min

Lab File: VL040026.D

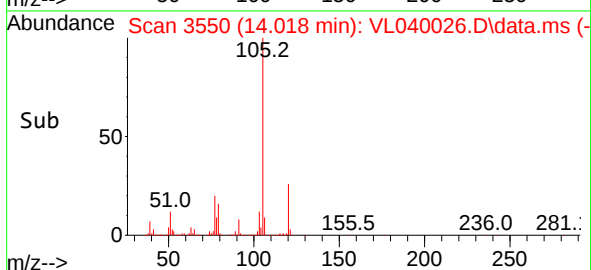
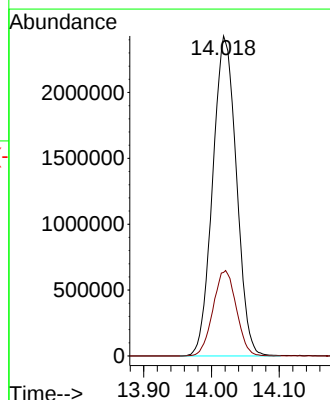
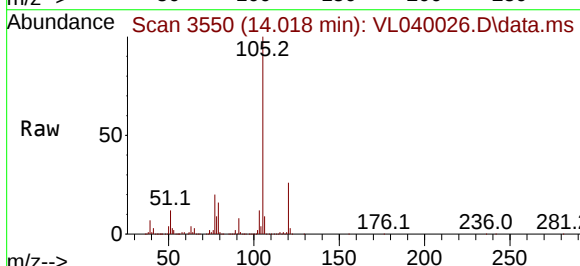
Acq: 19 Dec 2022 13:23

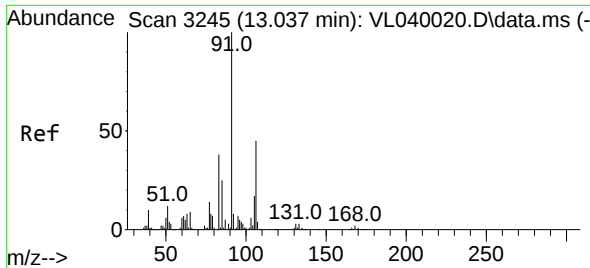
Tgt Ion:105 Resp: 5902882

Ion Ratio Lower Upper

105 100

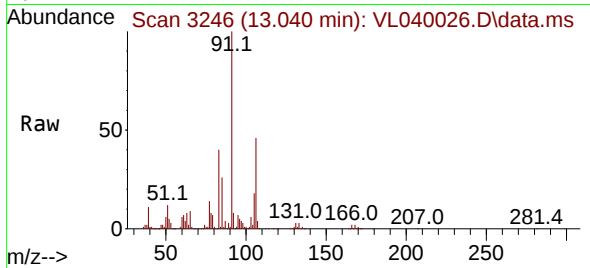
120 26.3 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 11.659 ppbv
RT: 13.040 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

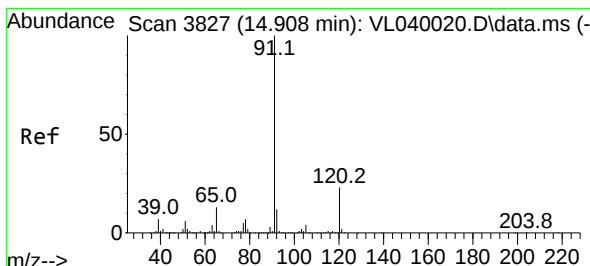
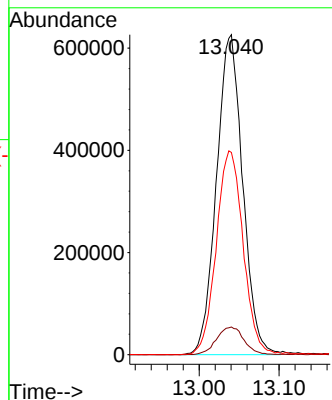
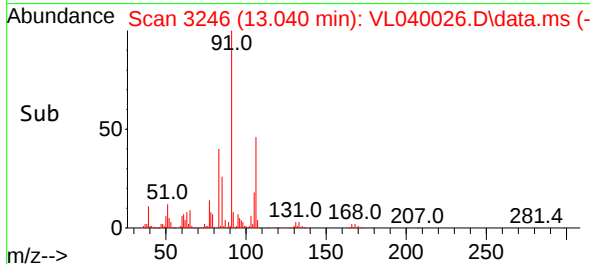
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



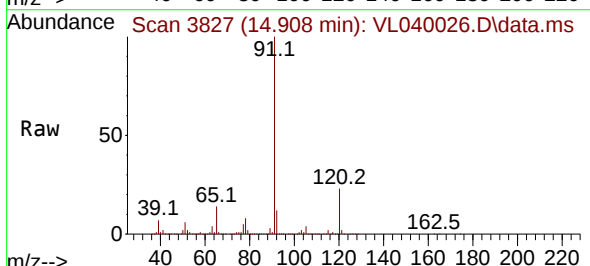
Tgt Ion: 83 Resp: 1426818
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 66.0 33.3 99.9

Manual Integrations
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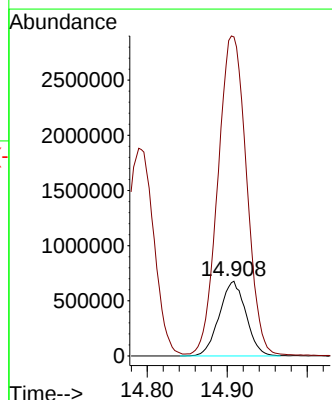
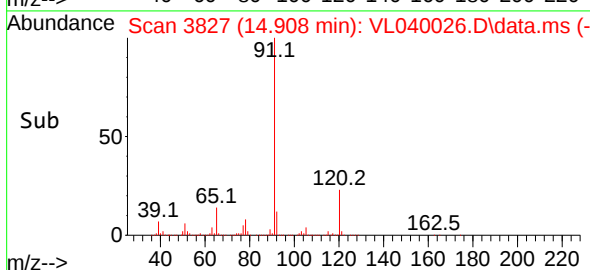
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

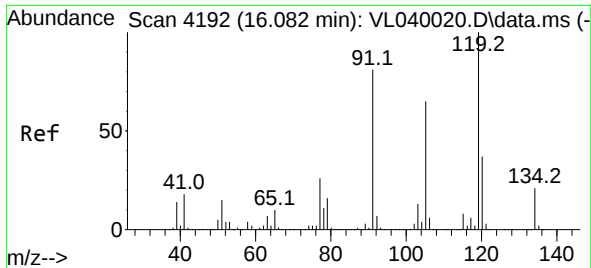


#64
n-propylbenzene
Concen: 12.954 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



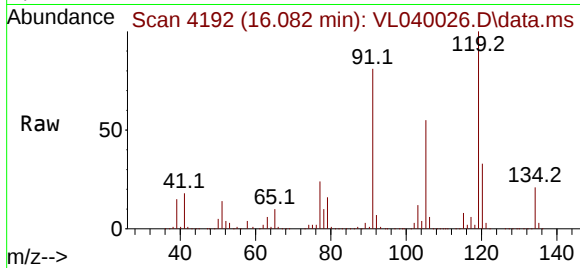
Tgt Ion:120 Resp: 1564495
Ion Ratio Lower Upper
120 100
91 463.1 384.3 576.5





#65
tert-Butylbenzene
Concen: 12.280 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

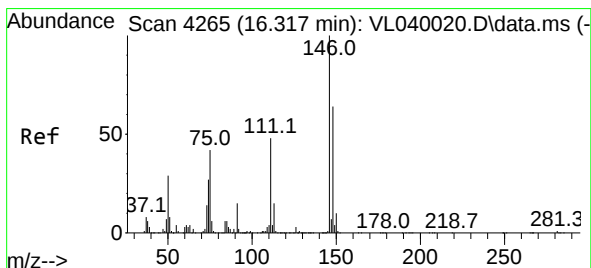
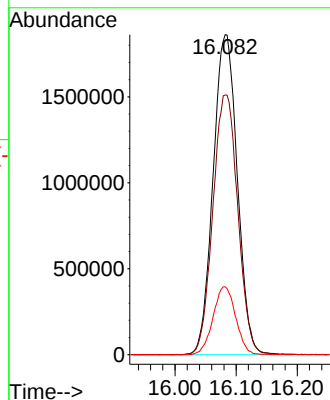
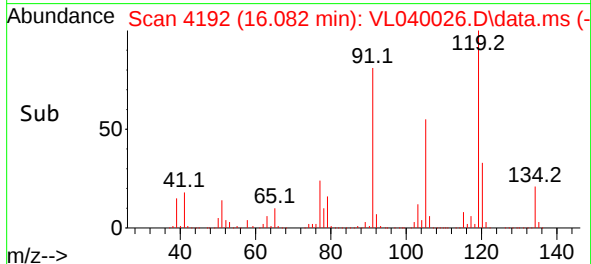
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



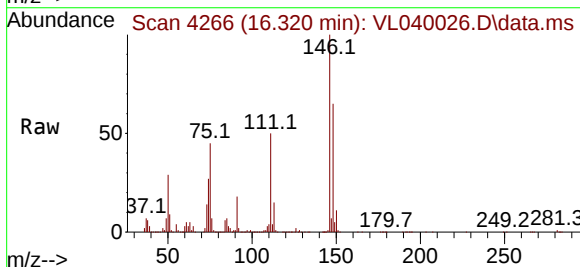
Tgt Ion:119 Resp: 5115470
Ion Ratio Lower Upper
119 100
91 83.8 66.9 100.3
134 19.9 15.8 23.6

Manual Integrations
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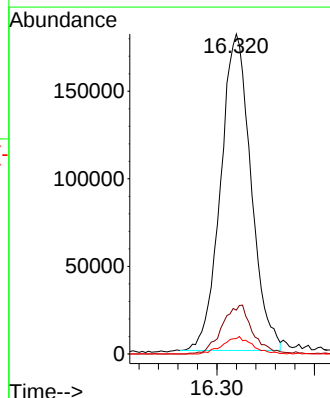
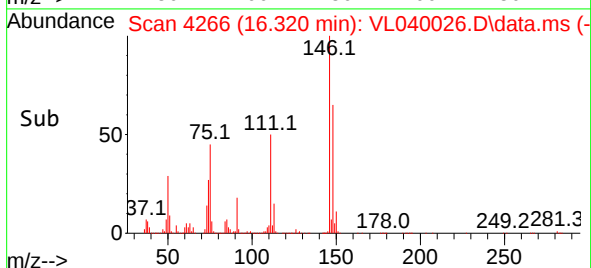
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

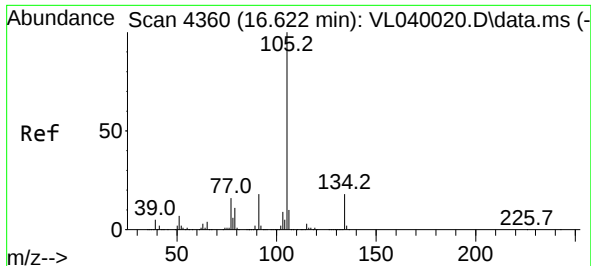


#66
Benzyl Chloride
Concen: 18.078 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



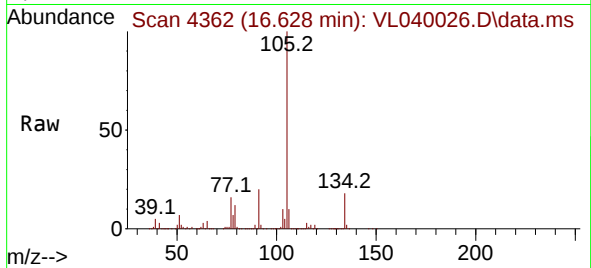
Tgt Ion: 91 Resp: 391164
Ion Ratio Lower Upper
91 100
126 15.7 12.2 18.2
128 5.3 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 12.109 ppbv
 RT: 16.628 min Scan# 4360
 Delta R.T. 0.006 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

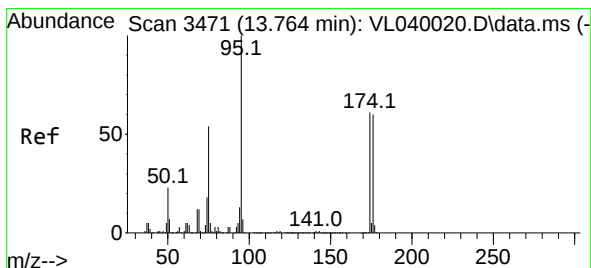
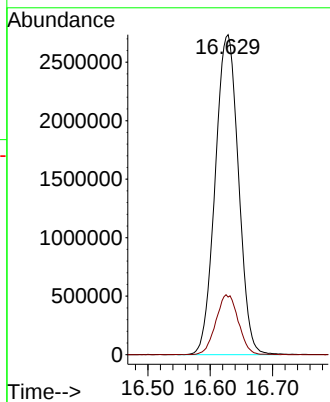
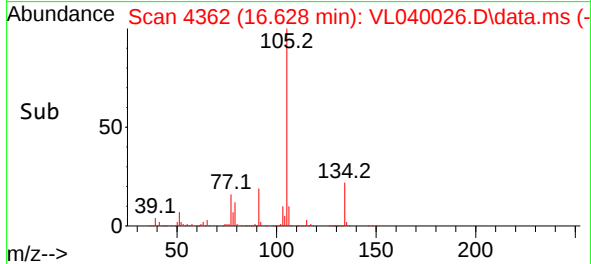
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 707475
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.2 21.4

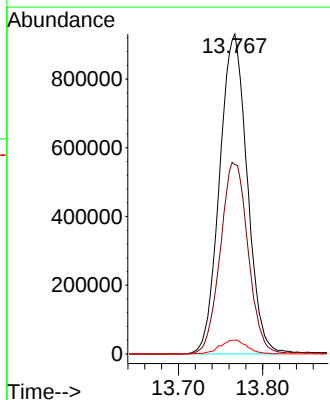
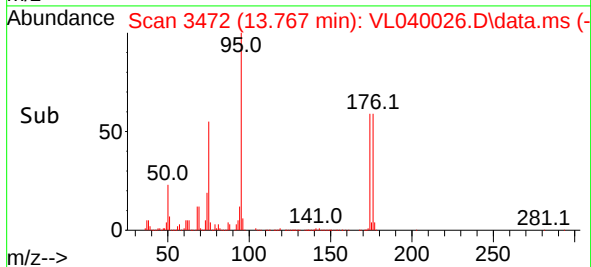
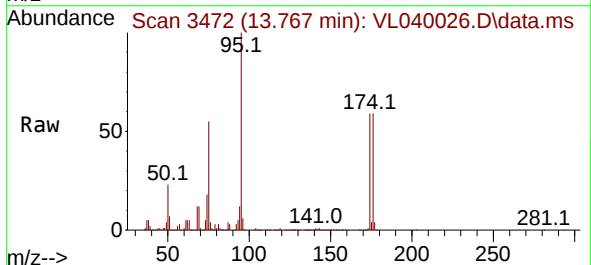
Manual Integrations
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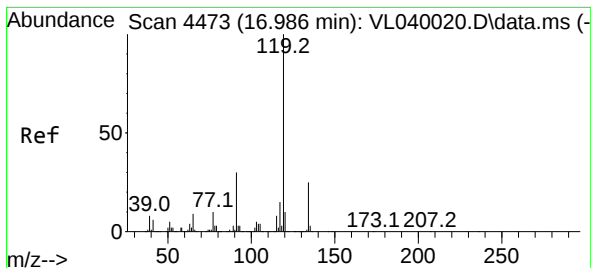
Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.842 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. 0.003 min
 Lab File: VL040026.D
 Acq: 19 Dec 2022 13:23

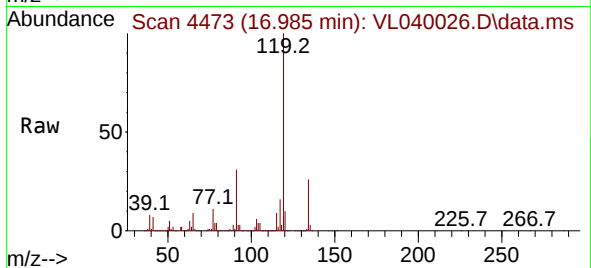
Tgt Ion: 95 Resp: 2109746
 Ion Ratio Lower Upper
 95 100
 174 60.9 48.6 73.0
 175 4.3 3.4 5.2





#69
p-Isopropyltoluene
Concen: 12.347 ppbv
RT: 16.985 min Scan# 4473
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

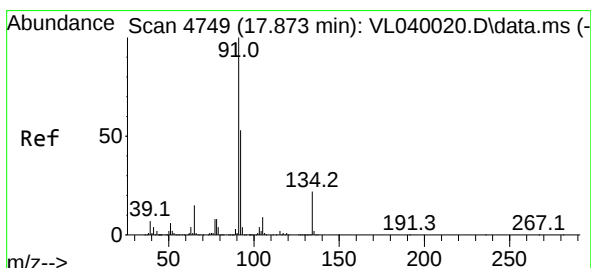
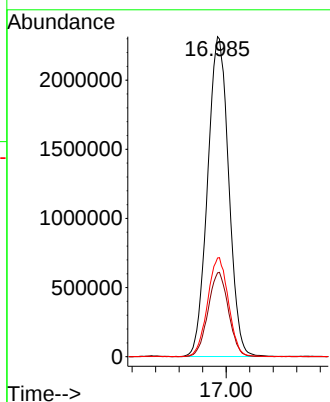
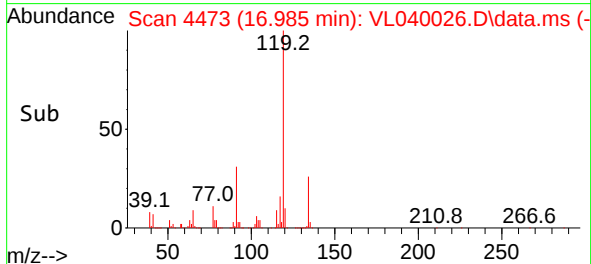
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



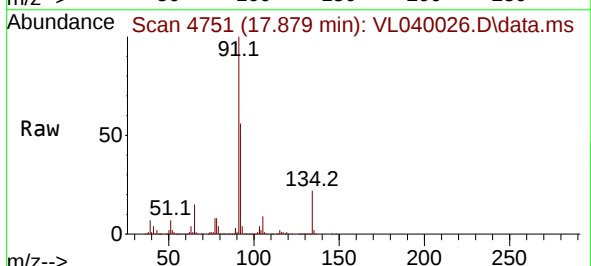
Tgt Ion:119 Resp: 5762279
Ion Ratio Lower Upper
119 100
134 25.5 20.2 30.4
91 30.5 24.2 36.4

Manual Integrations
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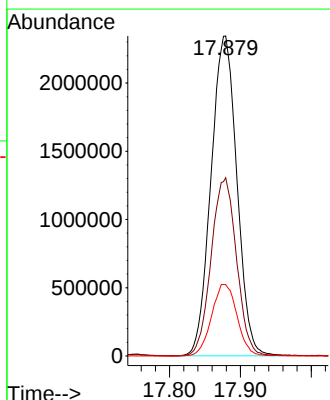
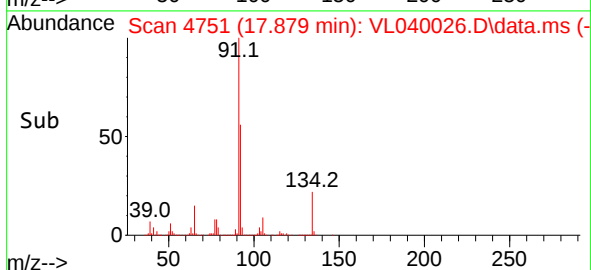
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

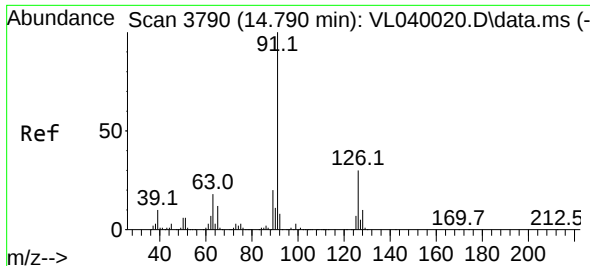


#70
n-Butylbenzene
Concen: 12.210 ppbv
RT: 17.879 min Scan# 4751
Delta R.T. 0.006 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



Tgt Ion: 91 Resp: 5953526
Ion Ratio Lower Upper
91 100
92 54.7 43.2 64.8
134 22.1 17.4 26.2





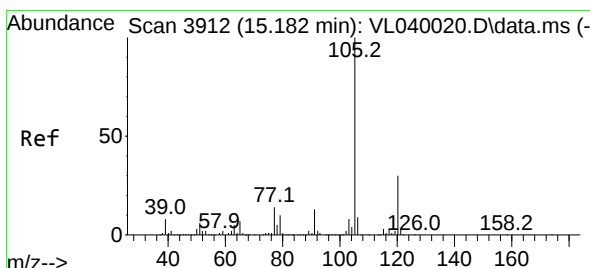
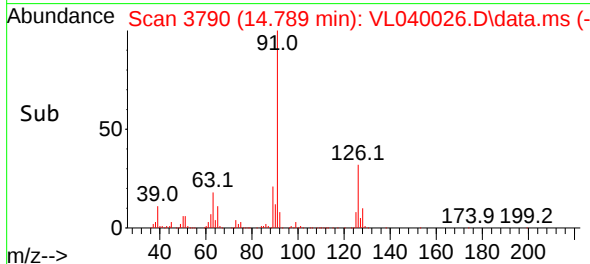
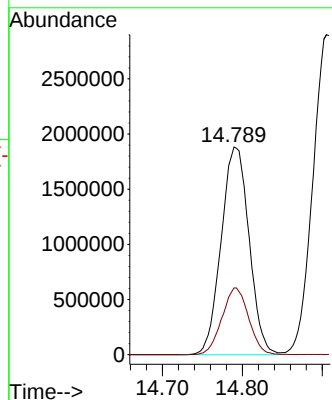
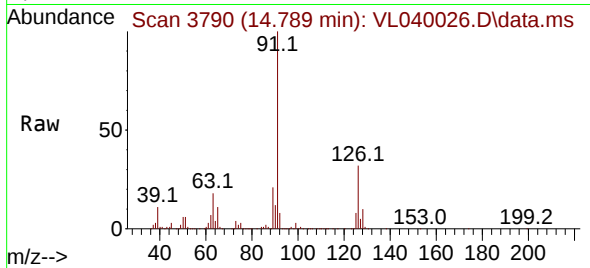
#71
2-Chlorotoluene
Concen: 12.464 ppbv
RT: 14.789 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 456213
Ion Ratio Lower Upper
91 100
126 30.8 12.1 48.5

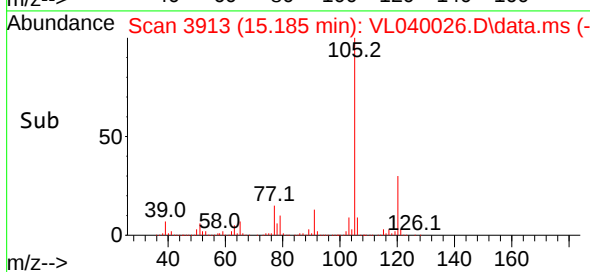
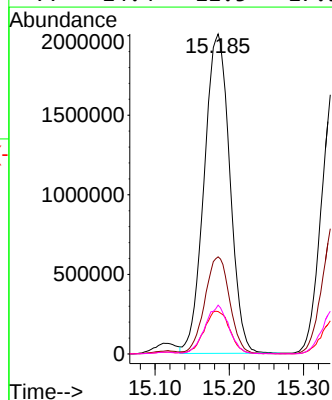
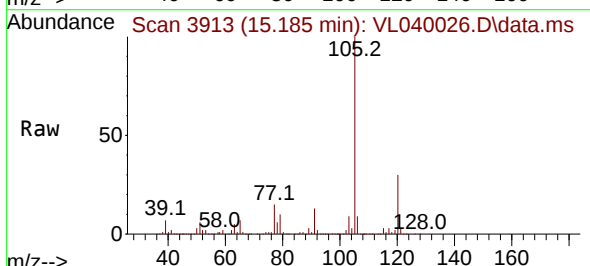
Manual Integrations
APPROVED

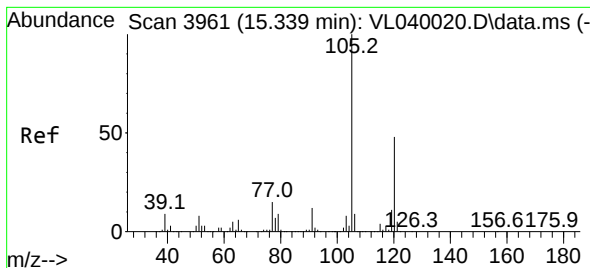
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#72
4-Ethyltoluene
Concen: 13.027 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

Tgt Ion:105 Resp: 4813034
Ion Ratio Lower Upper
105 100
120 29.8 23.5 35.3
91 13.5 10.5 15.7
77 14.4 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 12.670 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 423498

Ion Ratio Lower Upper

105 100

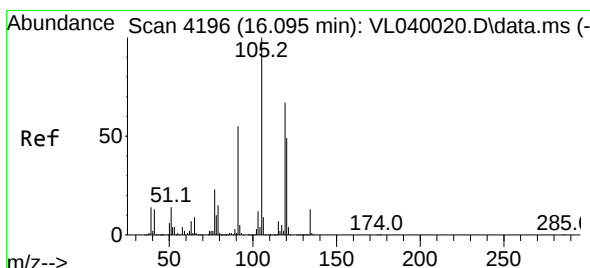
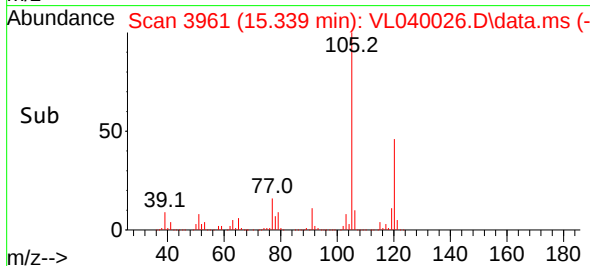
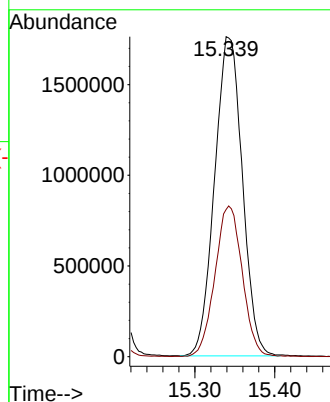
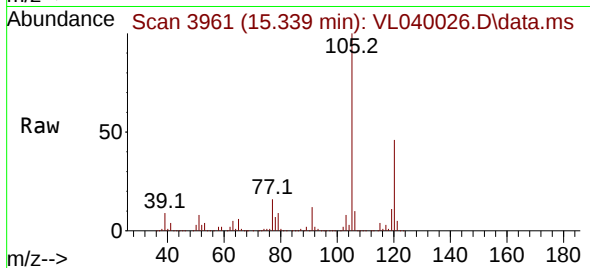
120 46.0 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#74

1,2,4-Trimethylbenzene

Concen: 12.314 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Tgt Ion:105 Resp: 4523002

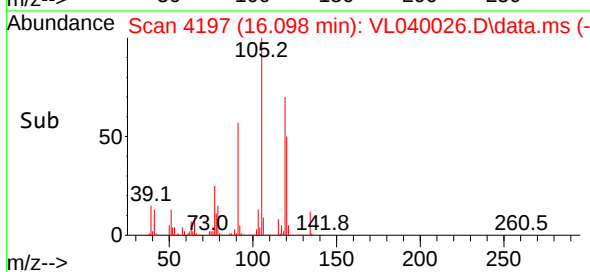
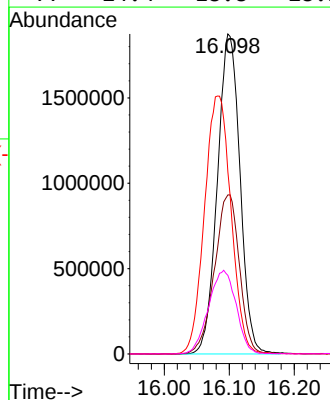
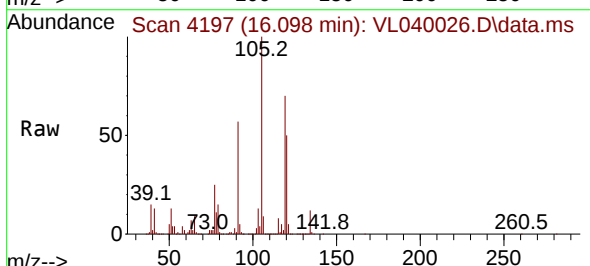
Ion Ratio Lower Upper

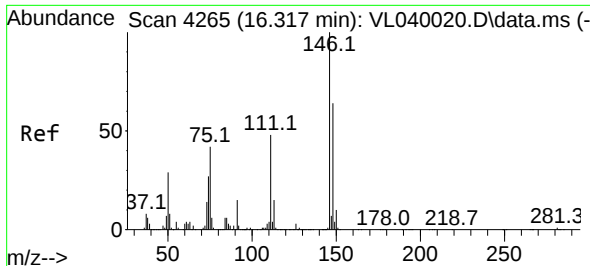
105 100

120 49.7 39.3 58.9

91 56.8 44.2 66.4

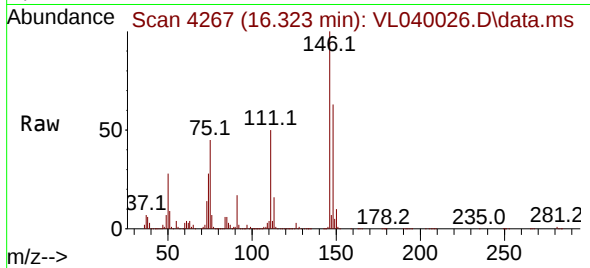
77 24.4 18.8 28.2





#75
1,3-Dichlorobenzene
Concen: 12.620 ppbv
RT: 16.323 min Scan# 4265
Delta R.T. 0.006 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

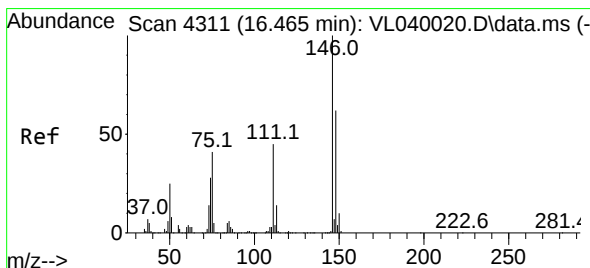
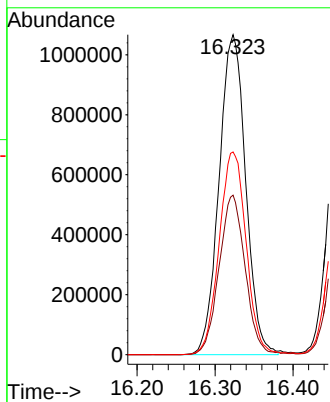
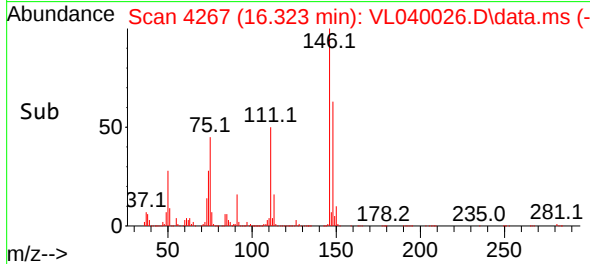
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



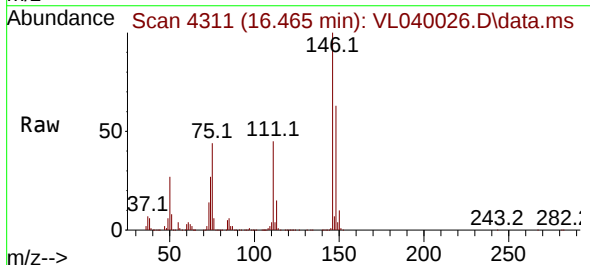
Tgt Ion:146 Resp: 253110
Ion Ratio Lower Upper
146 100
111 49.0 23.9 71.8
148 64.5 32.0 96.2

Manual Integrations
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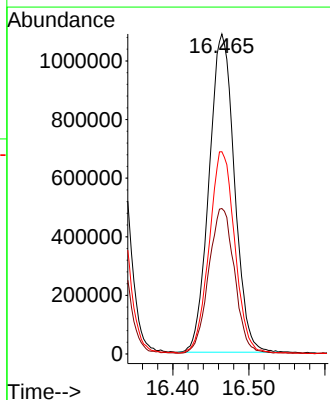
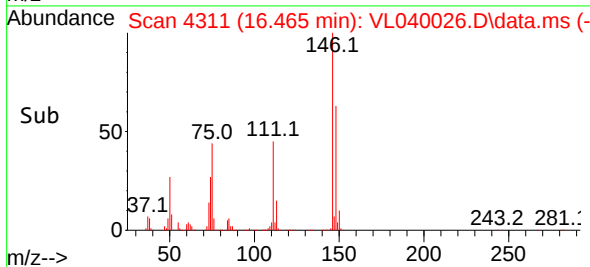
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

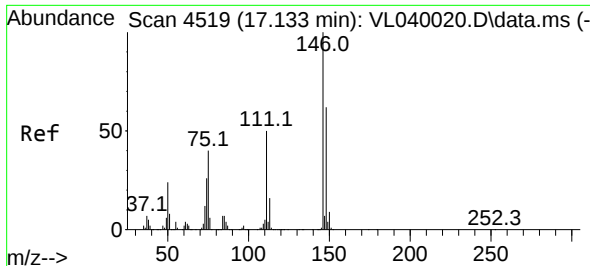


#76
1,4-Dichlorobenzene
Concen: 12.705 ppbv
RT: 16.465 min Scan# 4311
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



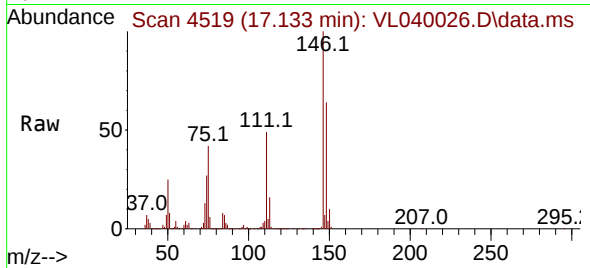
Tgt Ion:146 Resp: 2515468
Ion Ratio Lower Upper
146 100
111 47.3 23.4 70.2
148 64.7 32.0 96.2





#77
1,2-Dichlorobenzene
Concen: 12.425 ppbv
RT: 17.133 min Scan# 4519
Delta R.T. -0.000 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23

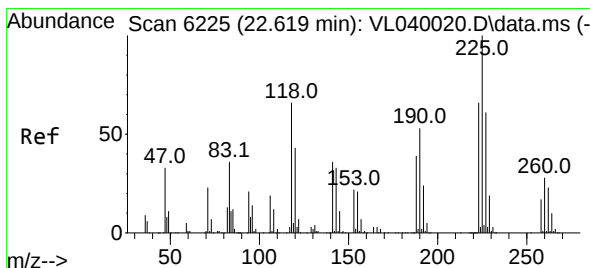
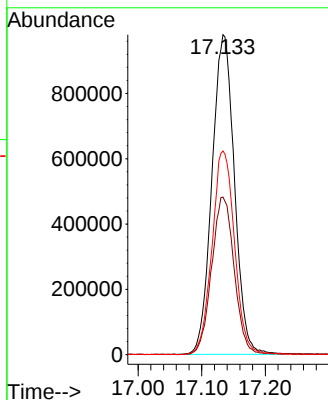
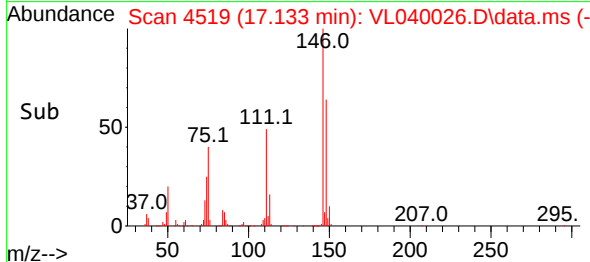
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



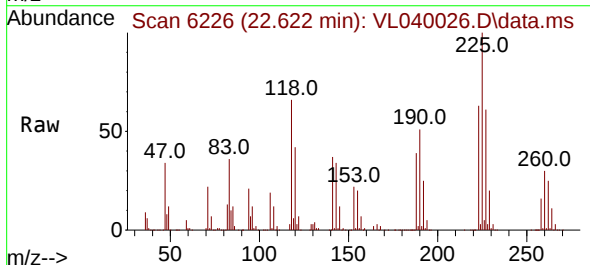
Tgt Ion:146 Resp: 2397000
Ion Ratio Lower Upper
146 100
111 49.7 25.3 75.9
148 64.2 31.9 95.9

Manual Integrations
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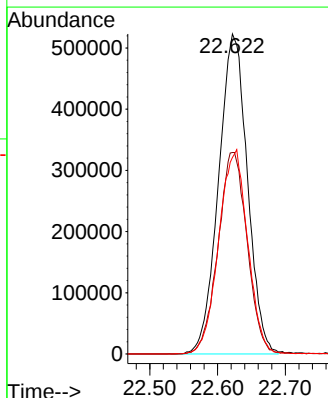
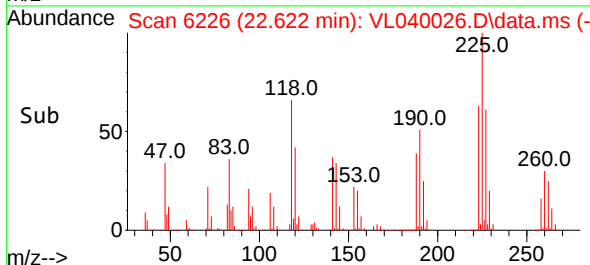
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022

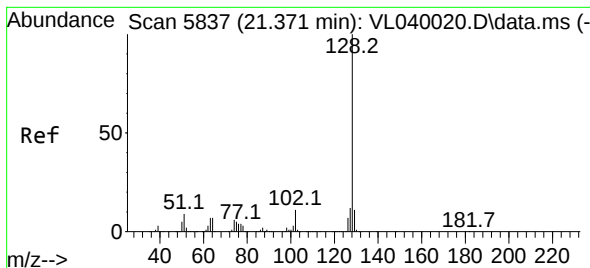


#78
Hexachloro-1,3-Butadiene
Concen: 11.593 ppbv
RT: 22.622 min Scan# 6226
Delta R.T. 0.003 min
Lab File: VL040026.D
Acq: 19 Dec 2022 13:23



Tgt Ion:225 Resp: 1546274
Ion Ratio Lower Upper
225 100
223 63.6 0.0 0.0#
227 64.2 0.0 0.0#





#79

Naphthalene

Concen: 15.226 ppbv

RT: 21.371 min Scan# 5837

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 3322059

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

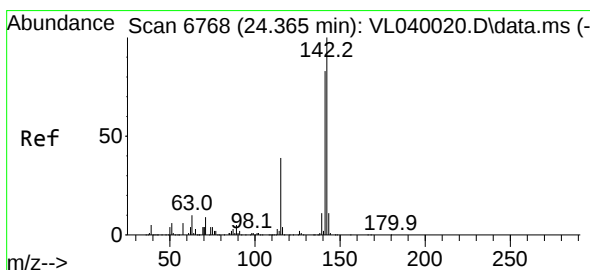
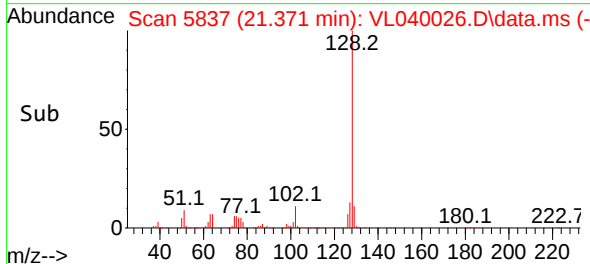
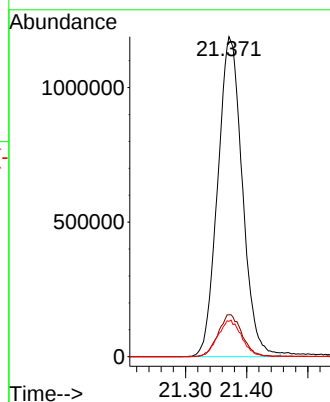
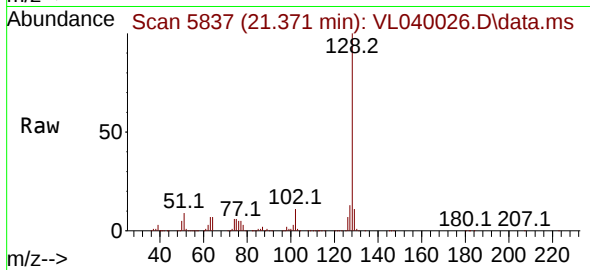
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#80

Naphthalene,2-methyl-

Concen: 16.608 ppbv

RT: 24.365 min Scan# 6768

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

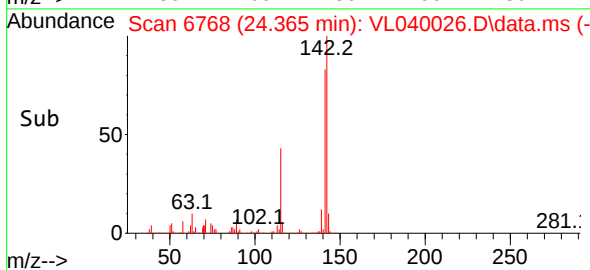
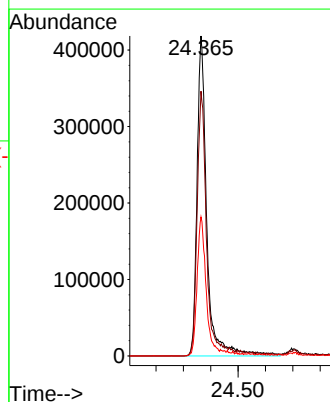
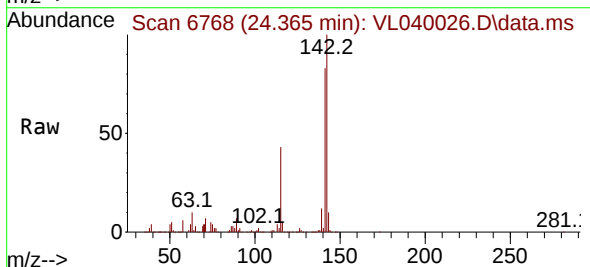
Tgt Ion:142 Resp: 1039819

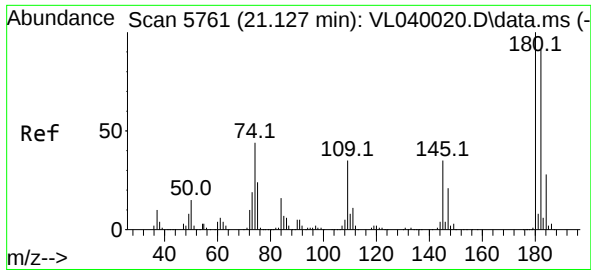
Ion Ratio Lower Upper

142 100

141 81.4 65.3 97.9

115 42.0 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 13.069 ppbv

RT: 21.127 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL040026.D

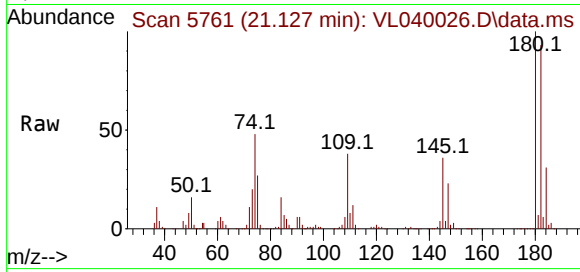
Acq: 19 Dec 2022 13:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 1688749

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022

