

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040902.D
 Acq On : 27 Nov 2023 9:32
 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 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

Quant Time: Nov 28 04:32:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Tue Nov 28 04:31:59 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	953066	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	2262830	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2170953	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1740773 10.242 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.783	85	1865845	9.657	ppbv	99
3) Chlorodifluoromethane	2.729	51	1463251	9.616	ppbv	100
4) Chloromethane	2.867	50	529314	9.673	ppbv	97
5) Vinyl Chloride	2.973	62	553193	10.165	ppbv	99
6) Bromomethane	3.169	94	210730	10.144	ppbv	99
7) Chloroethane	3.246	64	193232	10.254	ppbv	94
8) Dichlorotetrafluoroethane	2.909	85	1350604	9.681	ppbv	99
9) Propene	2.748	41	487724	9.511	ppbv	100
10) Heptane	7.606	43	1234550	9.786	ppbv	99
11) Trichlorofluoromethane	3.607	101	1499608	10.101	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.105	101	1045983	9.918	ppbv	99
13) Ethanol	3.288	45	106463m	10.691	ppbv	
14) Bromoethene	3.414	108	434361	10.240	ppbv	99
15) Acetone	3.513	43	1008781	9.938	ppbv	99
16) 1,3-Butadiene	3.034	39	551156	10.733	ppbv	97
17) tert-Butyl alcohol	3.922	59	913654	10.526	ppbv	99
18) 1,1-Dichloroethene	3.922	96	458003	9.743	ppbv	98
19) Isopropyl Alcohol	3.619	45	684129	11.199	ppbv	99
20) Methylene Chloride	3.976	84	377560	9.013	ppbv	94
21) Allyl Chloride	4.037	41	637117	9.808	ppbv	97
22) trans-1,2-Dichloroethene	4.484	96	576765	10.811	ppbv	97
23) Vinyl Acetate	4.664	43	1424124	10.865	ppbv	99
24) 1,1-Dichloroethane	4.603	63	1197153	10.247	ppbv	99
25) Ethyl Acetate	5.237	43	2126520	10.118	ppbv	100
26) Hexane	5.246	57	910642	9.790	ppbv	99
27) Carbon Disulfide	4.166	76	1183351	10.032	ppbv	99
28) Methyl tert-Butyl Ether	4.626	73	865516	10.289	ppbv	100
29) Chloroform	5.307	83	1527810	9.691	ppbv	99
30) Cyclohexane	6.632	84	750820	9.383	ppbv	96
31) cis-1,2-Dichloroethene	5.115	61	941763	10.231	ppbv	96
32) 1,1,1-Trichloroethane	6.034	97	1523396	10.357	ppbv	99
34) 2-Butanone	4.822	43	1345822	11.675	ppbv	99
35) Carbon Tetrachloride	6.520	117	1601467	11.535	ppbv	99
36) Benzene	6.401	78	1909387	10.397	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1202121	11.098	ppbv	99
38) Trichloroethene	7.317	130	712181	9.977	ppbv	97
39) 1,2-Dichloropropane	7.098	63	751608	10.322	ppbv	95
40) 1,4-Dioxane	7.311	88	302565	10.472	ppbv #	97
41) Tetrahydrofuran	5.590	42	797202	11.232	ppbv	98
42) Bromodichloromethane	7.275	83	1705810	11.005	ppbv	99
43) Methyl Methacrylate	7.500	69	795217	11.363	ppbv	99
44) 2,2,4-Trimethylpentane	7.352	57	3211036	10.526	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	534578	12.999	ppbv	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

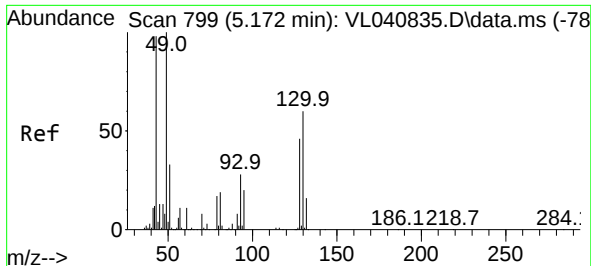
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Nov 28 04:31:59 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	661641	12.408	ppbv	99
47) 1,1,2-Trichloroethane	8.921	97	780275	10.226	ppbv	96
48) Dibromochloromethane	9.729	129	1390075	10.980	ppbv	99
49) Bromoform	12.423	173	1109253	11.649	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2036953	11.418	ppbv	99
51) 2-Hexanone	9.571	43	1462570	11.630	ppbv	100
52) Tetrachloroethene	10.632	164	635469	10.275	ppbv	95
53) Toluene	9.240	91	2141001	10.594	ppbv	98
54) 1,2-Dibromoethane	10.028	107	1077088	10.969	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	998575	10.747	ppbv	96
57) Chlorobenzene	11.545	112	1619649	10.065	ppbv	96
58) Ethyl Benzene	12.105	91	2913123	10.284	ppbv	100
59) m/p-Xylene	12.384	91	4999386m	20.726	ppbv	
60) o-Xylene	13.076	91	2353115	10.248	ppbv	98
61) Styrene	12.915	104	1184400	10.695	ppbv	99
62) Isopropylbenzene	14.043	105	3394709	10.006	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	1716290	10.546	ppbv	99
64) n-propylbenzene	14.931	120	865658	10.181	ppbv	93
65) tert-Butylbenzene	16.101	119	2916370	10.195	ppbv	97
66) Benzyl Chloride	16.342	91	113552	10.773	ppbv #	96
67) sec-Butylbenzene	16.648	105	4165321	10.194	ppbv	99
69) p-Isopropyltoluene	17.008	119	3311814	10.164	ppbv	99
70) n-Butylbenzene	17.899	91	3553106	10.327	ppbv	99
71) 2-Chlorotoluene	14.818	91	2666588	10.311	ppbv	99
72) 4-Ethyltoluene	15.204	105	2664589	10.556	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	2309977	10.347	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	2519589	10.113	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1401451	10.188	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1371061	10.410	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1333386	9.969	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	742655m	8.868	ppbv	
79) Naphthalene	21.400	128	1534836	11.986	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	238142	10.536	ppbv	94
81) 1,2,4-Trichlorobenzene	21.156	180	800161	10.279	ppbv	98

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



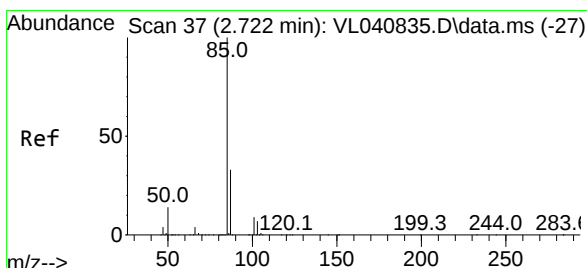
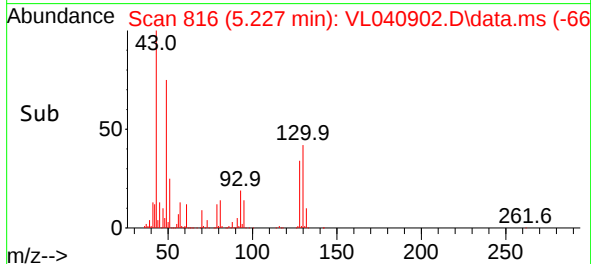
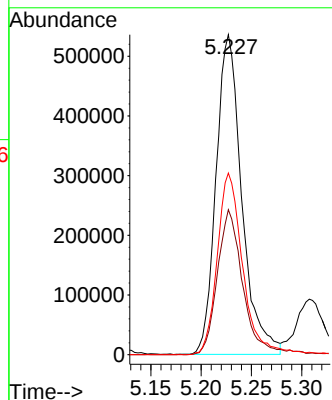
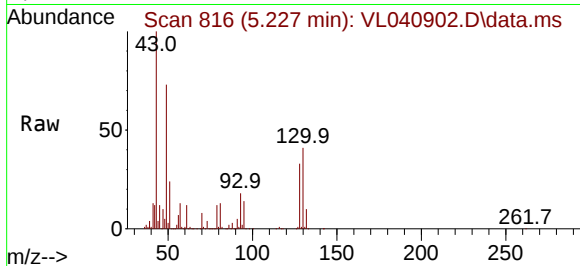
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 953060
Ion Ratio Lower Upper
49 100
128 46.0 23.8 71.2
130 56.7 30.9 92.8

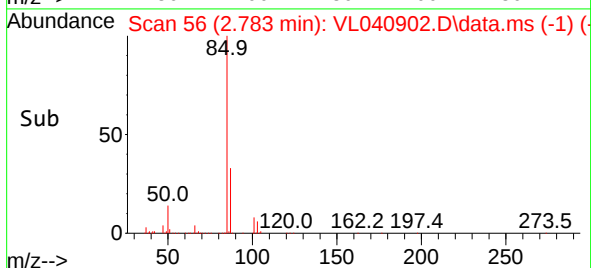
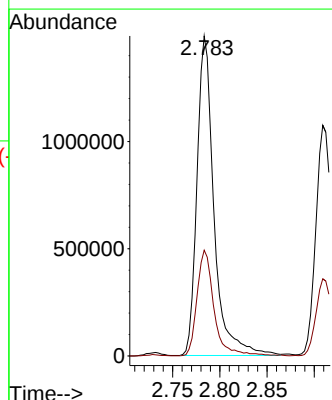
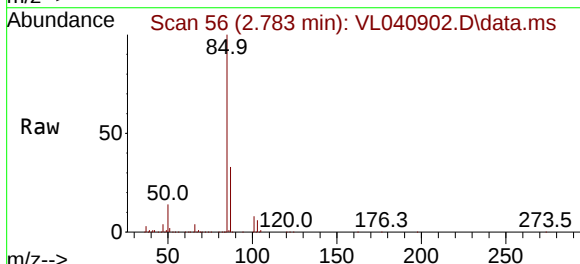
Manual Integrations
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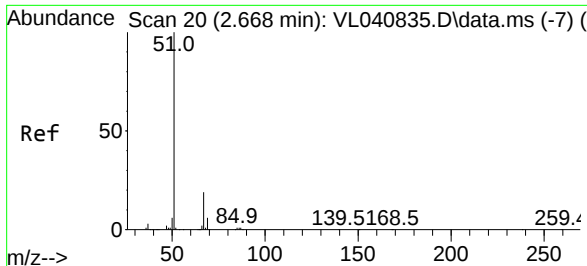
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#2
Dichlorodifluoromethane
Concen: 9.657 ppbv
RT: 2.783 min Scan# 56
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

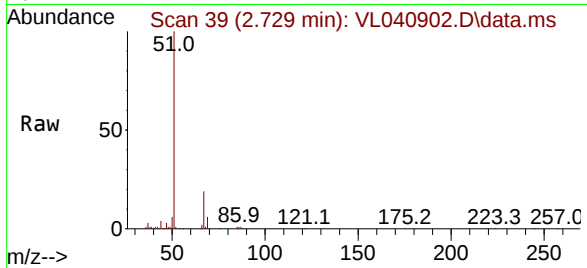
Tgt Ion: 85 Resp: 1865845
Ion Ratio Lower Upper
85 100
87 33.0 26.7 40.1





#3
Chlorodifluoromethane
Concen: 9.616 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

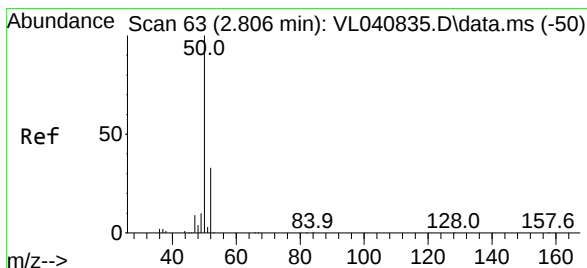
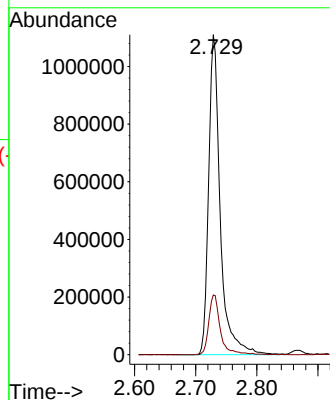
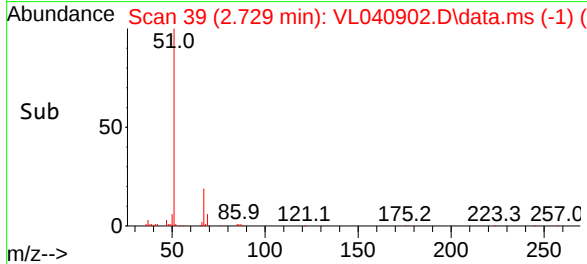
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



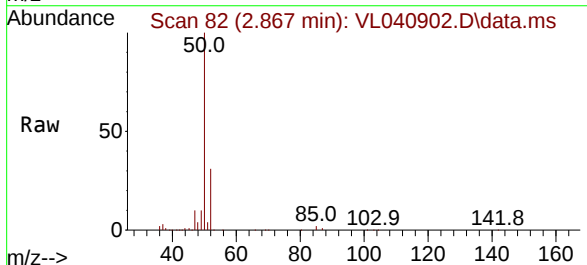
Tgt Ion: 51 Resp: 146325
Ion Ratio Lower Upper
51 100
67 18.7 15.0 22.4

Manual Integrations
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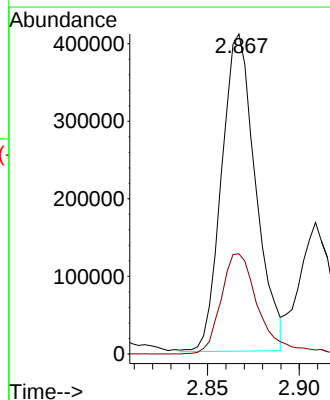
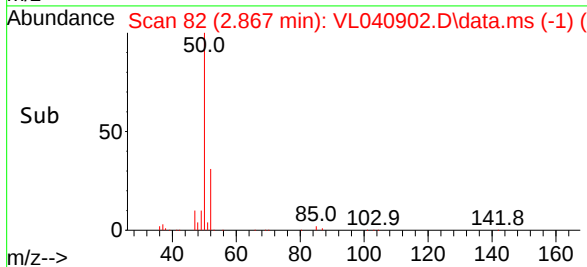
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

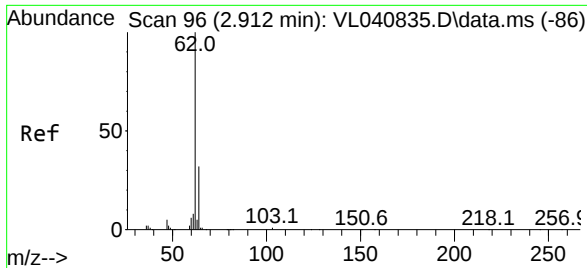


#4
Chloromethane
Concen: 9.673 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



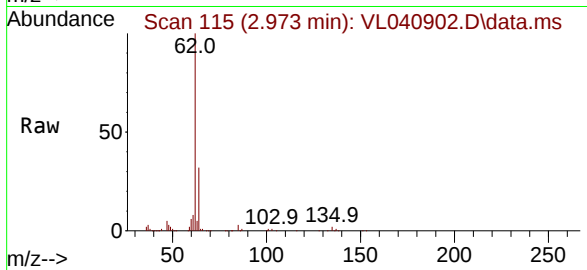
Tgt Ion: 50 Resp: 529314
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7





#5
 Vinyl Chloride
 Concen: 10.165 ppbv
 RT: 2.973 min Scan# 115
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

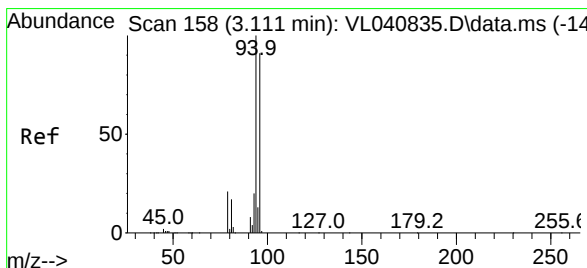
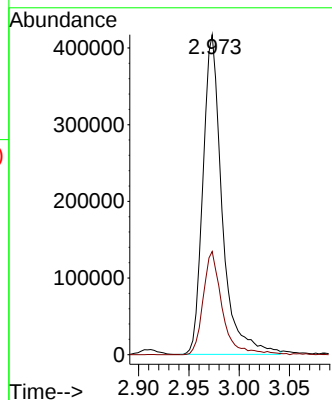
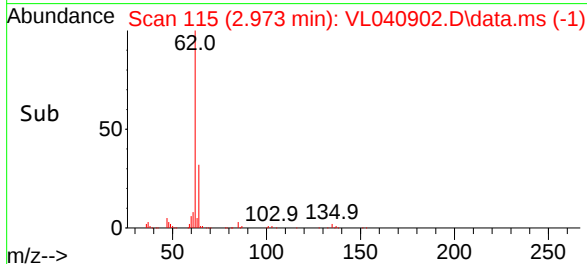
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



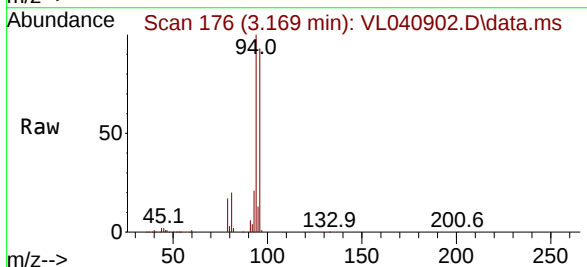
Tgt Ion: 62 Resp: 55319
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.4 38.2

Manual Integrations
 APPROVED

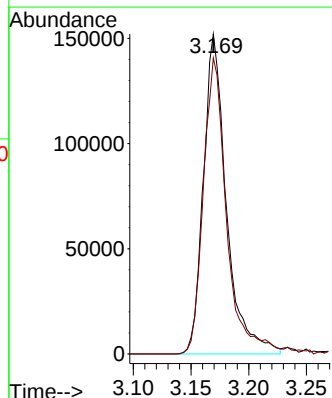
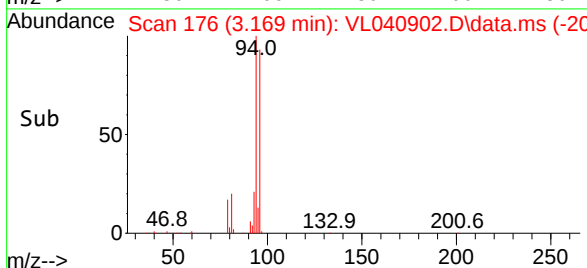
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023

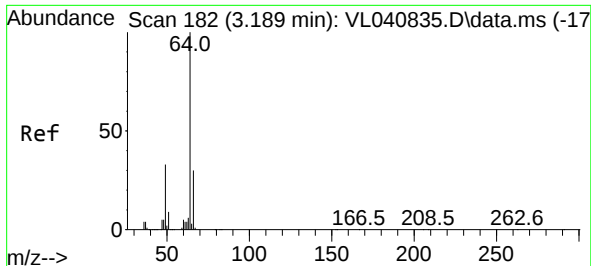


#6
 Bromomethane
 Concen: 10.144 ppbv
 RT: 3.169 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32



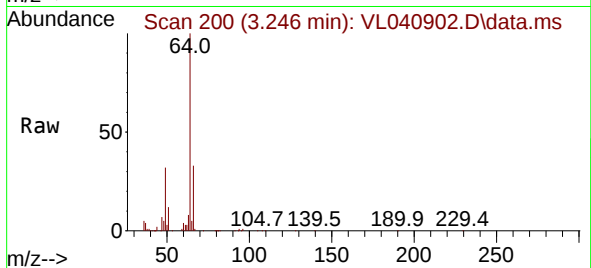
Tgt Ion: 94 Resp: 210730
 Ion Ratio Lower Upper
 94 100
 96 92.4 73.0 109.4





#7
Chloroethane
Concen: 10.254 ppbv
RT: 3.246 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

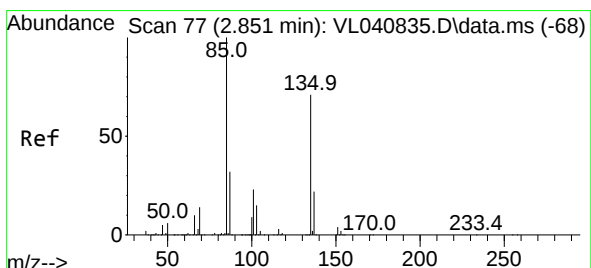
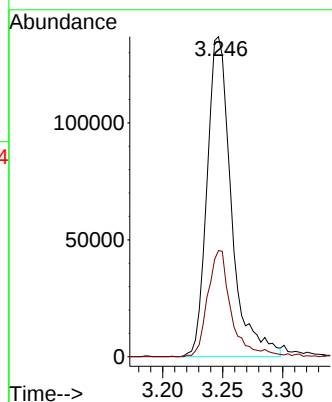
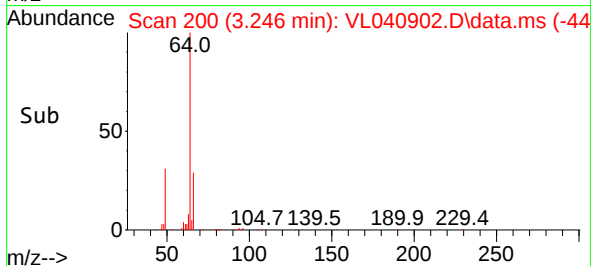
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 64 Resp: 19323
Ion Ratio Lower Upper
64 100
66 33.2 23.8 35.6

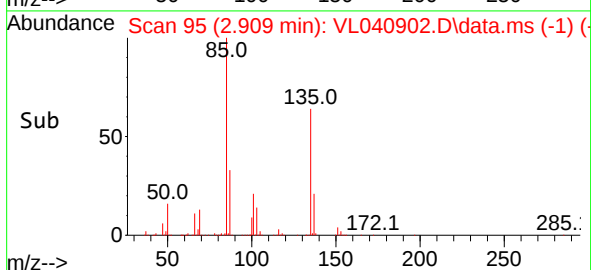
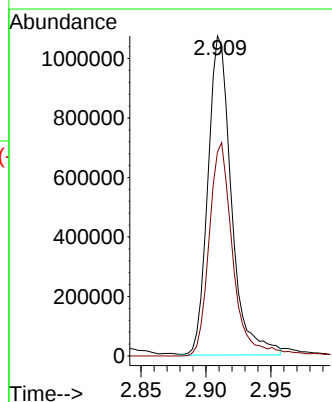
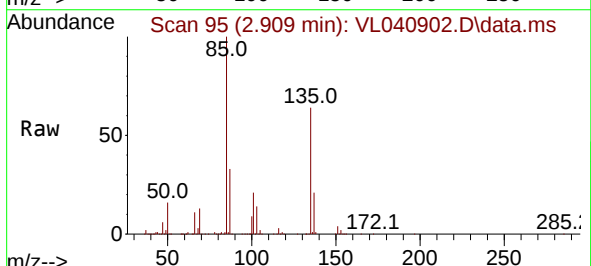
Manual Integrations
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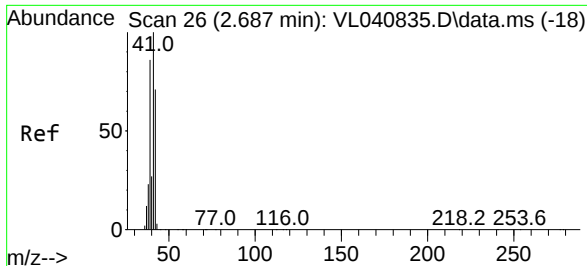
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#8
Dichlorotetrafluoroethane
Concen: 9.681 ppbv
RT: 2.909 min Scan# 95
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion: 85 Resp: 1350604
Ion Ratio Lower Upper
85 100
135 68.5 55.3 82.9





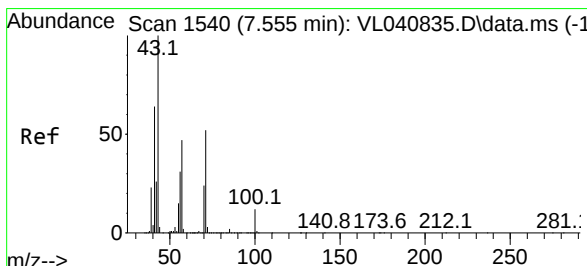
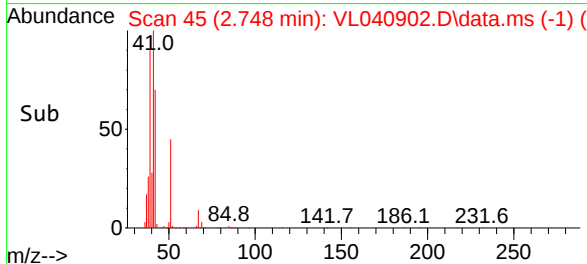
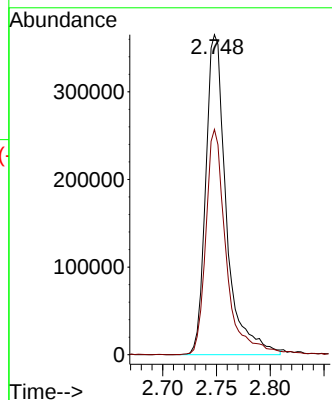
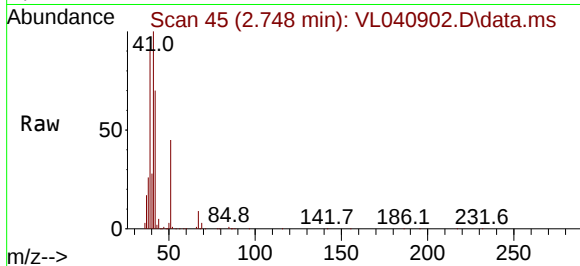
#9
 Propene
 Concen: 9.511 ppbv
 RT: 2.748 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 487724
 Ion Ratio Lower Upper
 41 100
 42 70.4 56.5 84.7

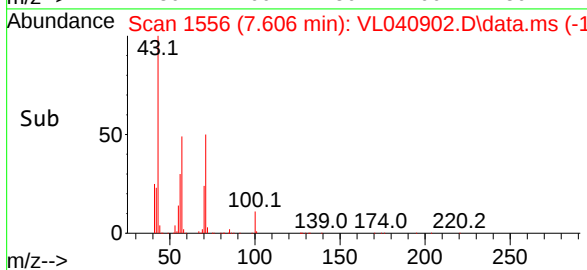
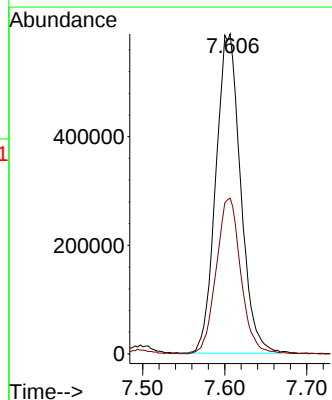
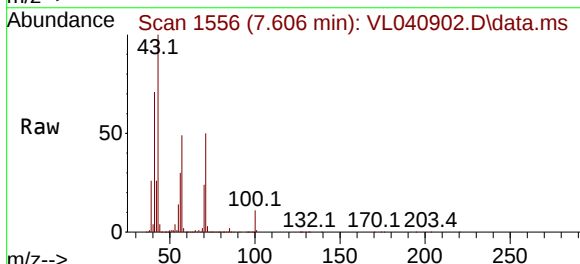
Manual Integrations
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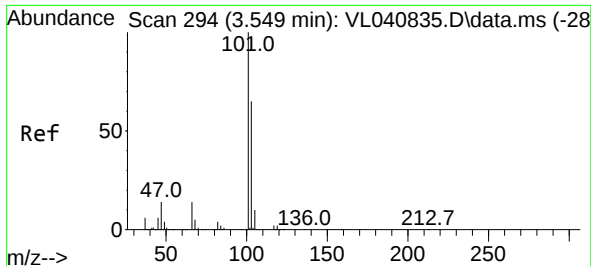
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023



#10
 Heptane
 Concen: 9.786 ppbv
 RT: 7.606 min Scan# 1556
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Tgt Ion: 43 Resp: 1234550
 Ion Ratio Lower Upper
 43 100
 57 48.6 39.4 59.0





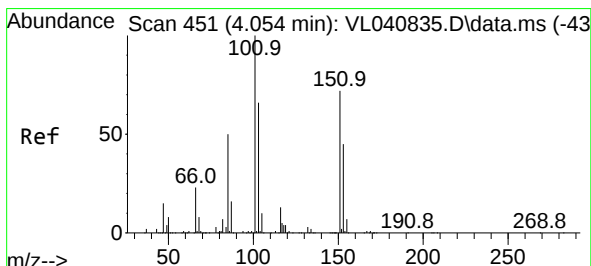
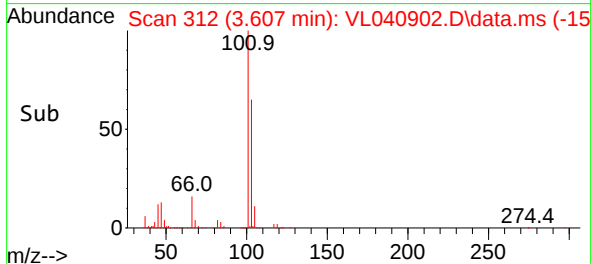
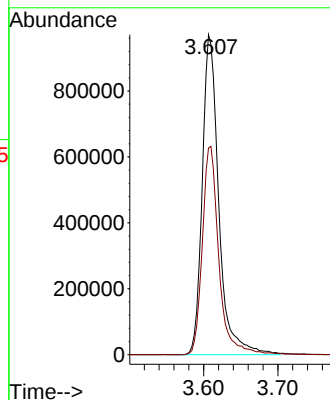
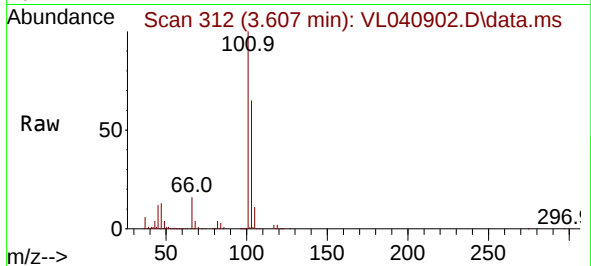
#11
 Trichlorofluoromethane
 Concen: 10.101 ppbv
 RT: 3.607 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1499608
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.8

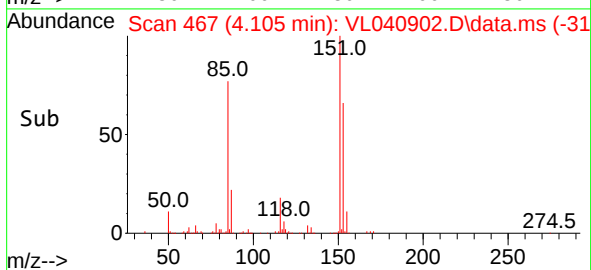
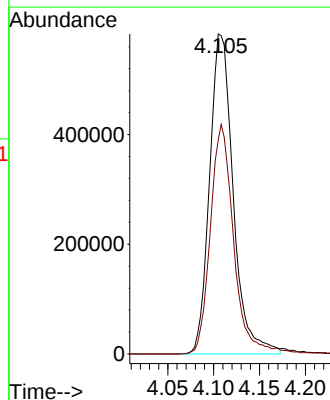
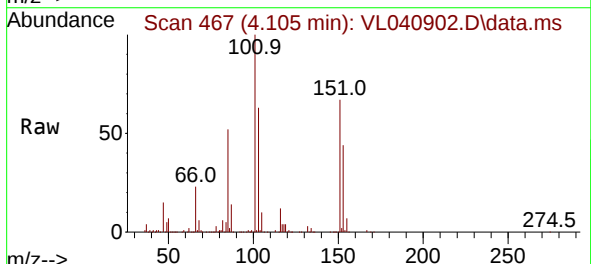
Manual Integrations
 APPROVED

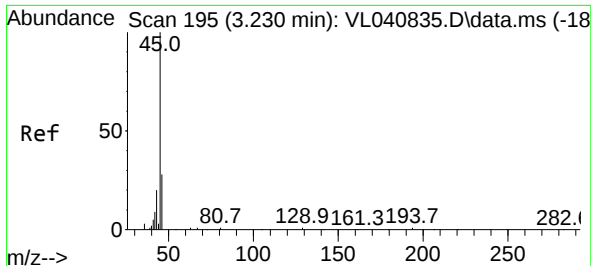
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.918 ppbv
 RT: 4.105 min Scan# 467
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

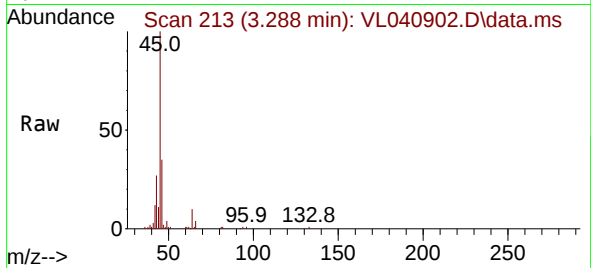
Tgt Ion:101 Resp: 1045983
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.8 86.6





#13
Ethanol
Concen: 10.691 ppbv m
RT: 3.288 min Scan# 213
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

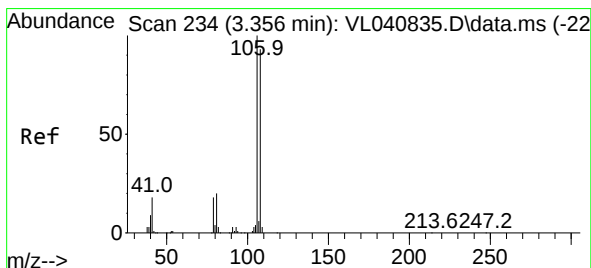
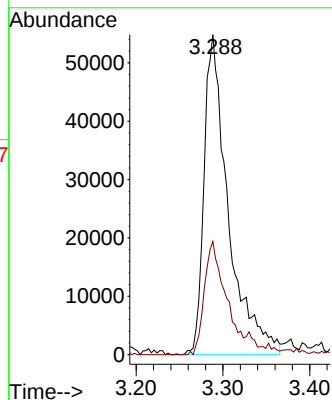
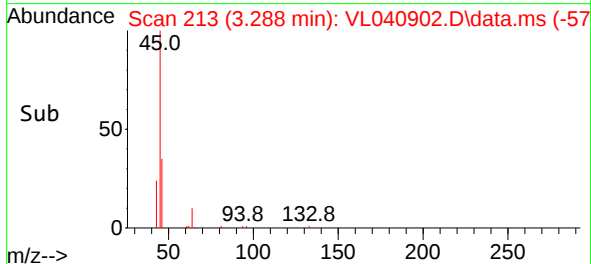
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



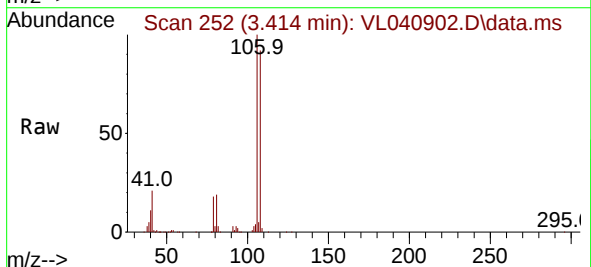
Tgt Ion: 45 Resp: 106463
Ion Ratio Lower Upper
45 100
46 36.4 0.0 0.0

Manual Integrations
APPROVED

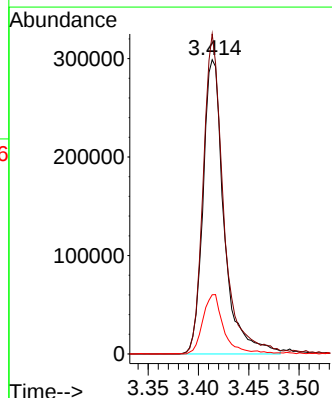
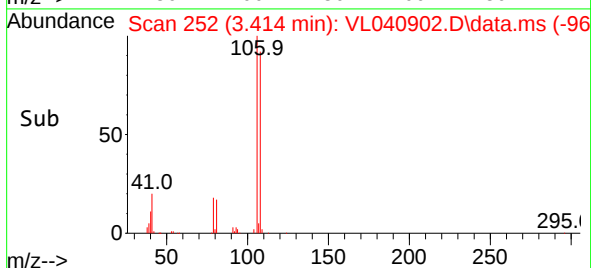
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

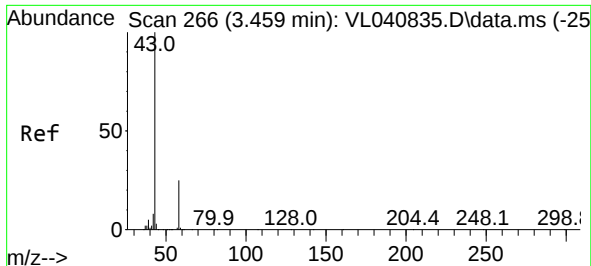


#14
Bromoethene
Concen: 10.240 ppbv
RT: 3.414 min Scan# 252
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



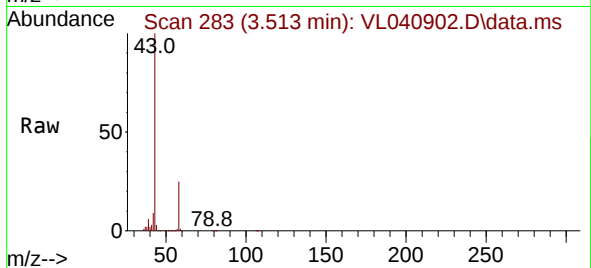
Tgt Ion:108 Resp: 434361
Ion Ratio Lower Upper
108 100
106 107.5 85.4 128.2
79 21.2 16.7 25.1





#15
Acetone
Concen: 9.938 ppbv
RT: 3.513 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

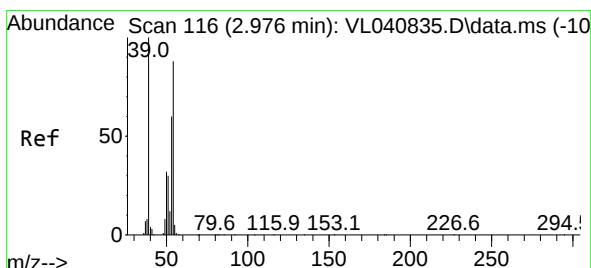
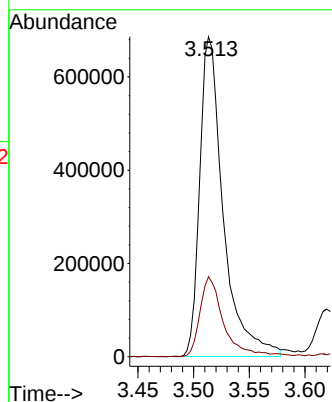
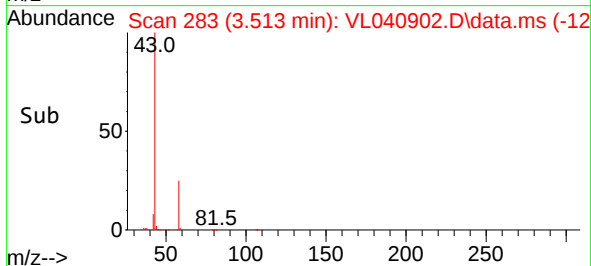
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



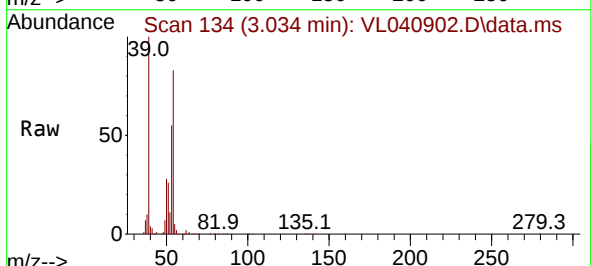
Tgt Ion: 43 Resp: 100878
Ion Ratio Lower Upper
43 100
58 25.6 20.9 31.3

Manual Integrations
APPROVED

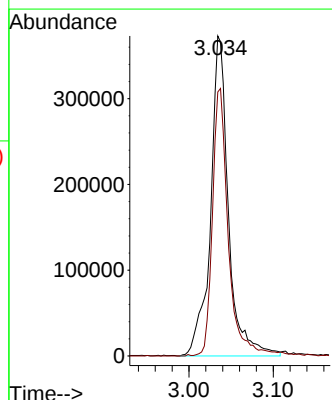
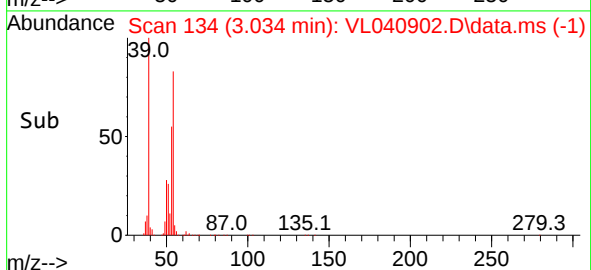
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

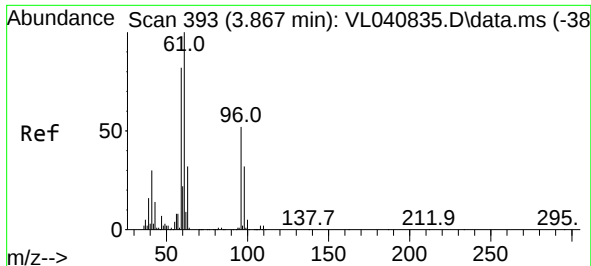


#16
1,3-Butadiene
Concen: 10.733 ppbv
RT: 3.034 min Scan# 134
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



Tgt Ion: 39 Resp: 551156
Ion Ratio Lower Upper
39 100
54 74.8 61.8 92.6





#17

tert-Butyl alcohol

Concen: 10.526 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 913654

Ion Ratio Lower Upper

59 100

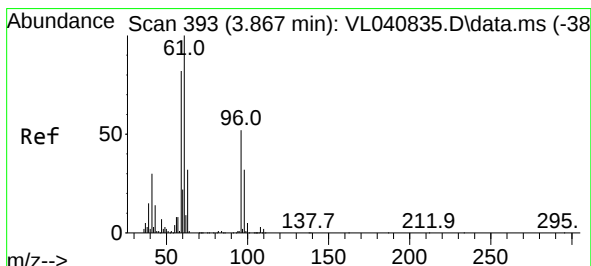
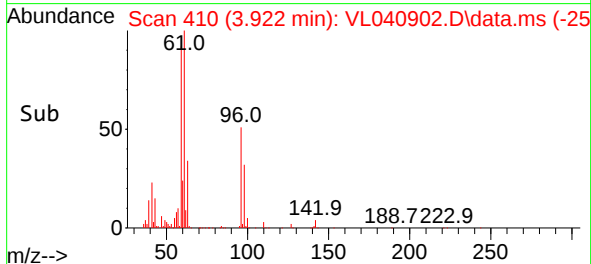
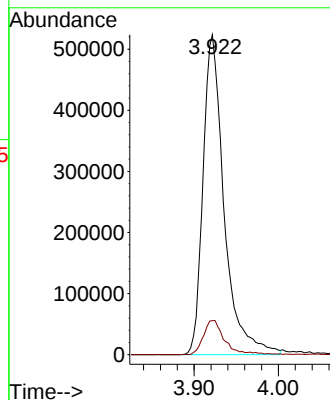
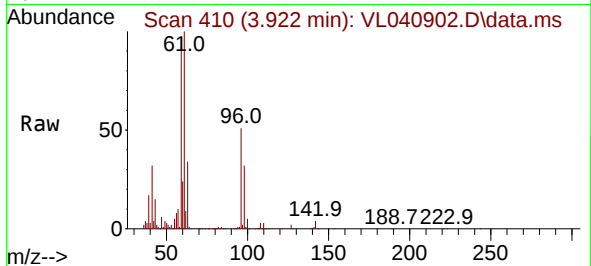
57 11.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#18

1,1-Dichloroethene

Concen: 9.743 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

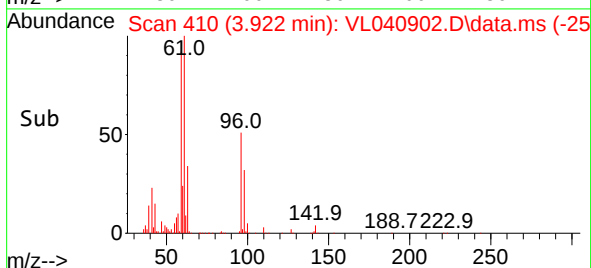
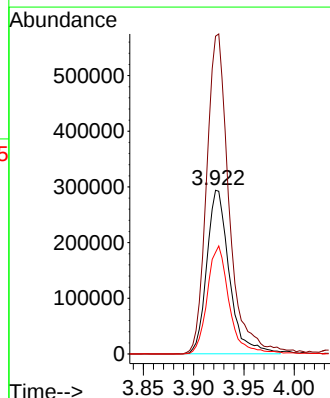
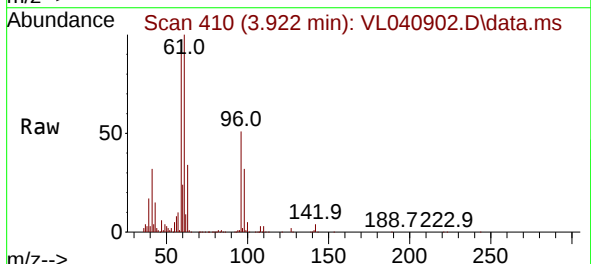
Tgt Ion: 96 Resp: 458003

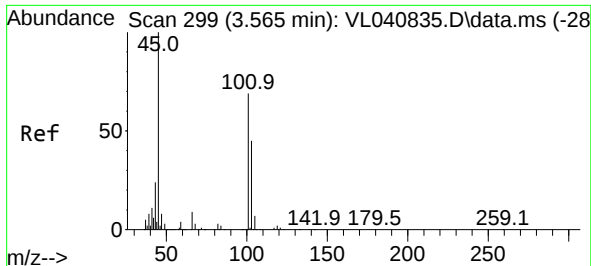
Ion Ratio Lower Upper

96 100

61 194.5 152.6 228.8

98 62.2 49.2 73.8





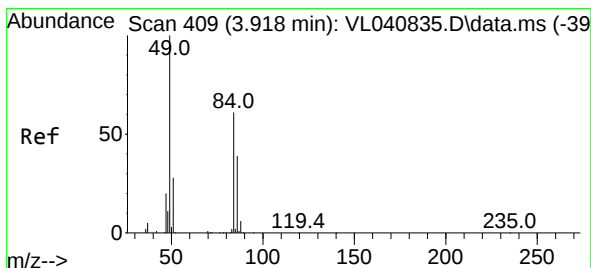
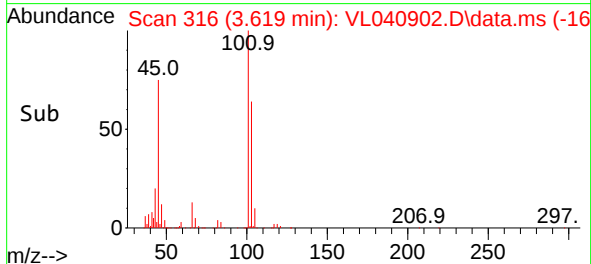
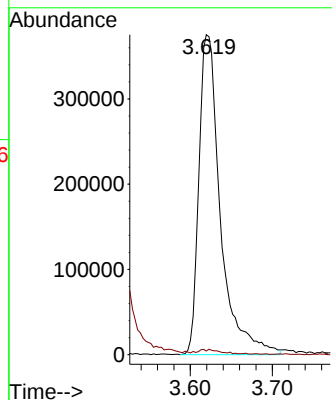
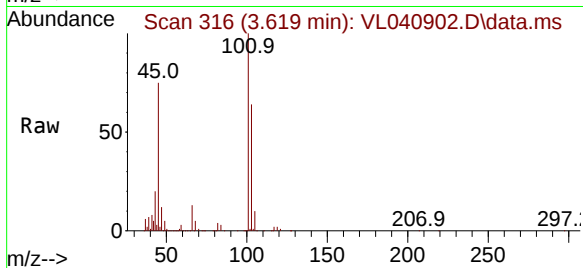
#19
Isopropyl Alcohol
Concen: 11.199 ppbv
RT: 3.619 min Scan# 316
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 684129
Ion Ratio Lower Upper
45 100
58 2.3 1.6 2.4

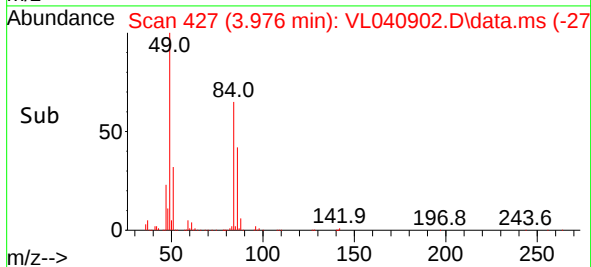
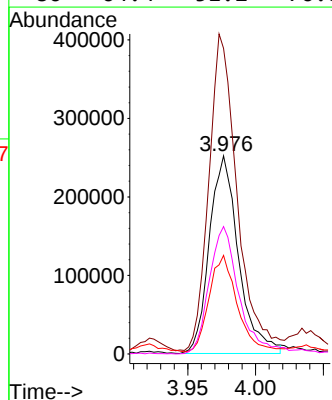
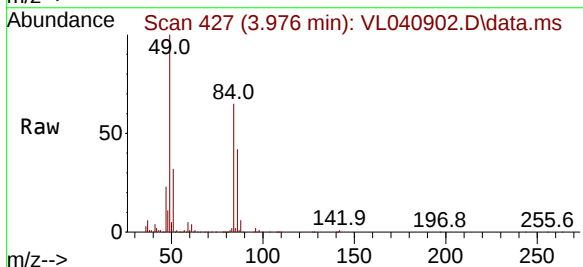
Manual Integrations
APPROVED

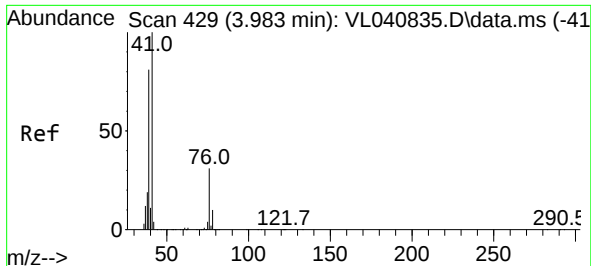
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#20
Methylene Chloride
Concen: 9.013 ppbv
RT: 3.976 min Scan# 427
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

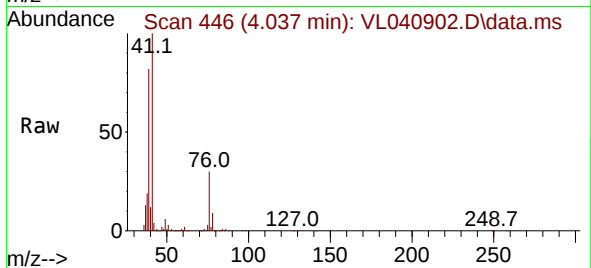
Tgt Ion: 84 Resp: 377560
Ion Ratio Lower Upper
84 100
49 152.6 131.0 196.4
51 48.4 36.9 55.3
86 64.4 51.2 76.8





#21
 Allyl Chloride
 Concen: 9.808 ppbv
 RT: 4.037 min Scan# 446
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

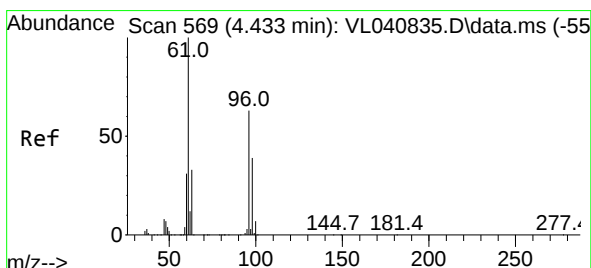
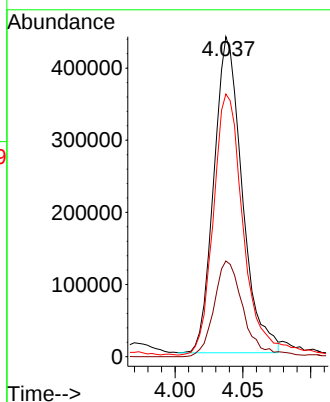
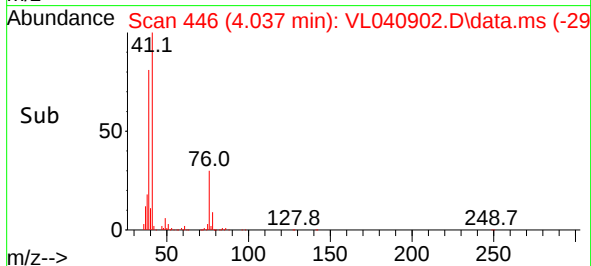
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



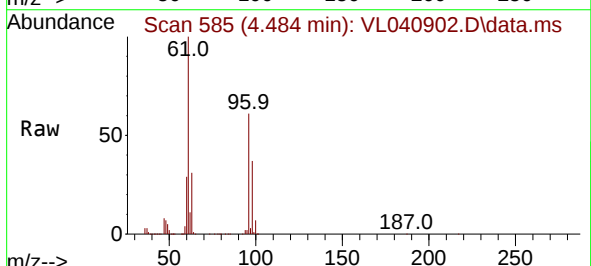
Tgt Ion: 41 Resp: 637117
 Ion Ratio Lower Upper
 41 100
 76 31.9 24.4 36.6
 39 88.6 68.1 102.1

Manual Integrations
 APPROVED

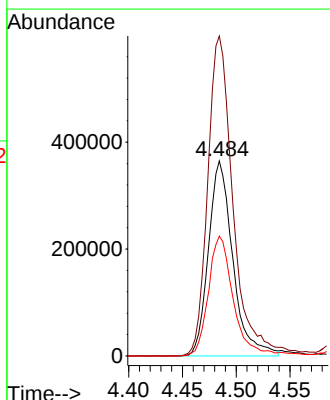
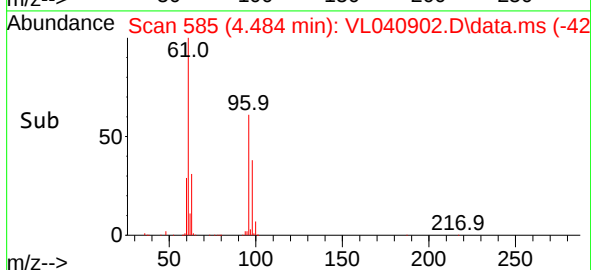
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023

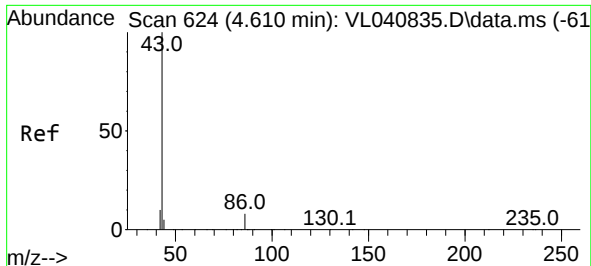


#22
 trans-1,2-Dichloroethene
 Concen: 10.811 ppbv
 RT: 4.484 min Scan# 585
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32



Tgt Ion: 96 Resp: 576765
 Ion Ratio Lower Upper
 96 100
 61 164.0 126.8 190.2
 98 61.5 49.9 74.9





#23
 Vinyl Acetate
 Concen: 10.865 ppbv
 RT: 4.664 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

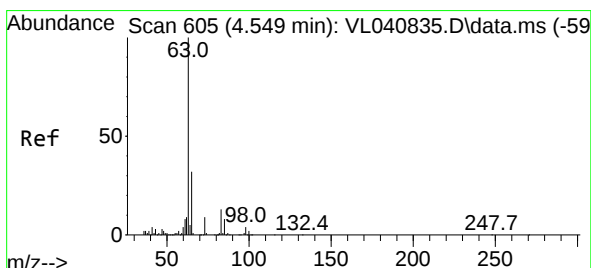
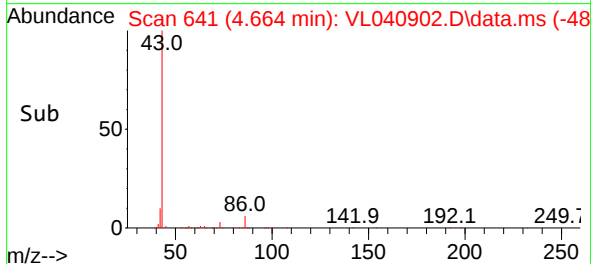
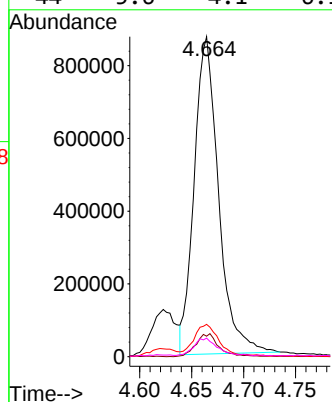
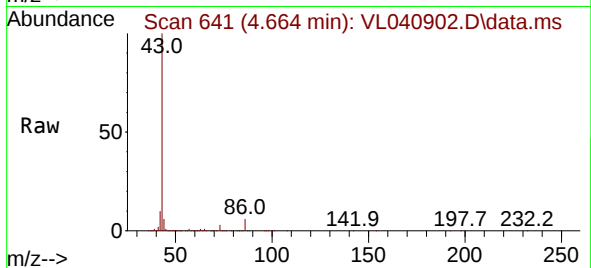
VSTDCCC010

Tgt Ion: 43 Resp: 1424124
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.5 8.3
 42 10.0 8.2 12.2
 44 5.6 4.1 6.1

Manual Integrations

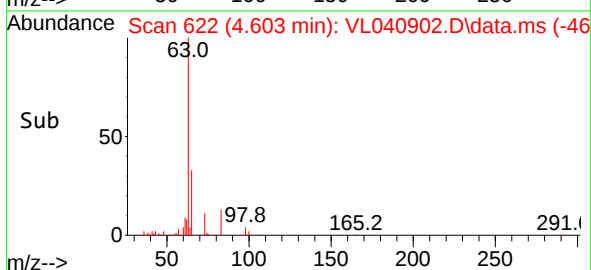
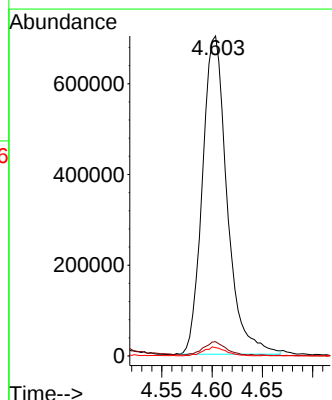
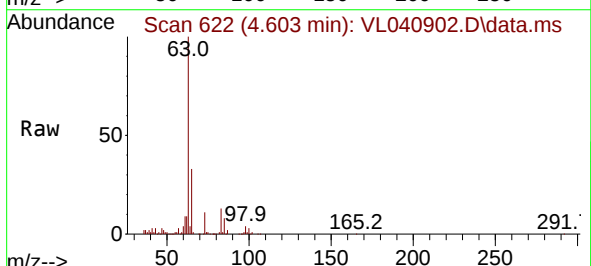
APPROVED

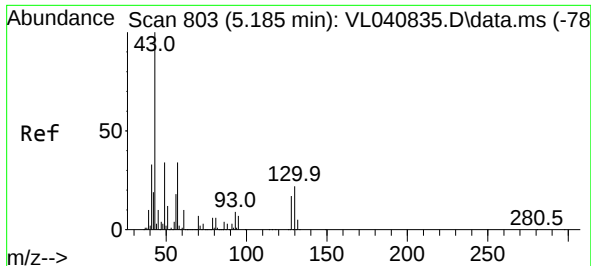
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023



#24
 1,1-Dichloroethane
 Concen: 10.247 ppbv
 RT: 4.603 min Scan# 622
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Tgt Ion: 63 Resp: 1197153
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.2 6.6
 100 2.5 1.0 3.0





#25

Ethyl Acetate

Concen: 10.118 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2126520

Ion Ratio Lower Upper

43 100

45 10.0 8.1 12.1

61 9.4 7.8 11.6

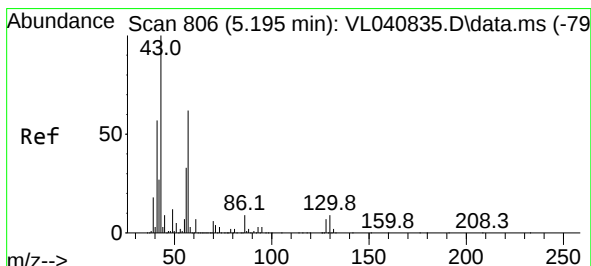
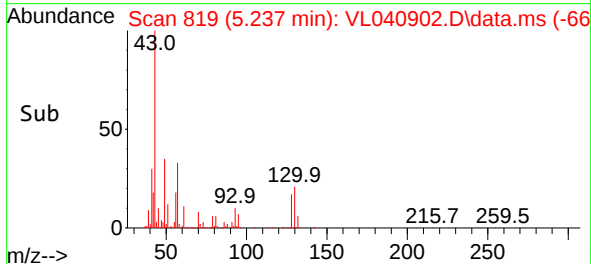
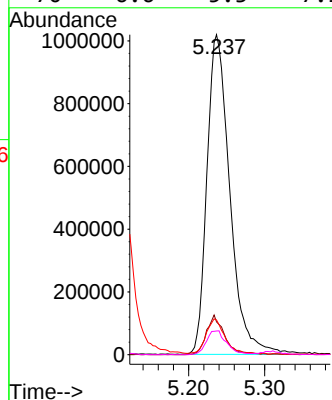
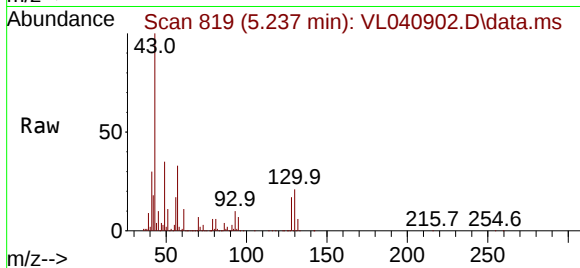
70 6.6 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#26

Hexane

Concen: 9.790 ppbv

RT: 5.246 min Scan# 822

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Tgt Ion: 57 Resp: 910642

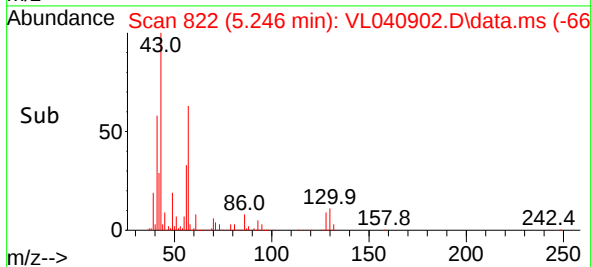
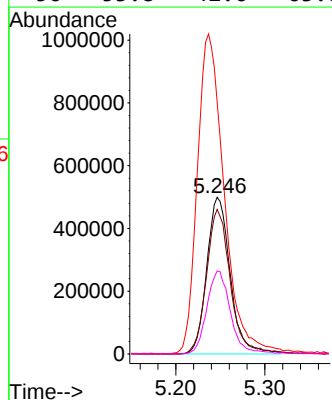
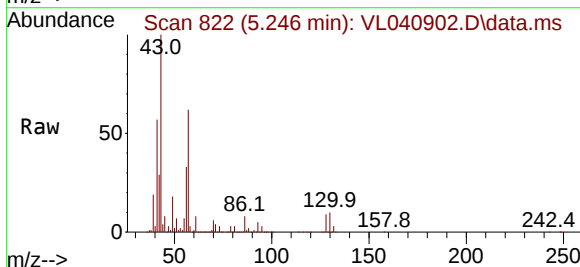
Ion Ratio Lower Upper

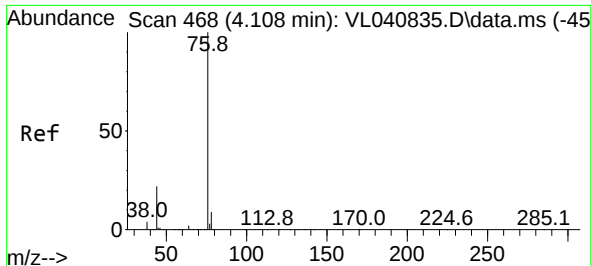
57 100

41 94.9 75.4 113.0

43 235.0 185.9 278.9

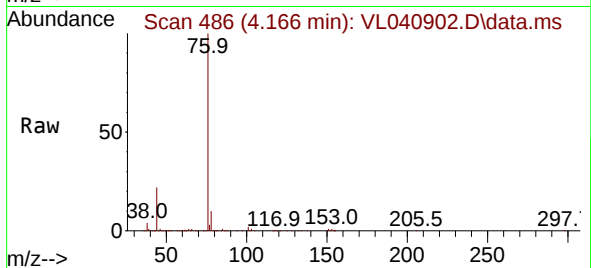
56 53.8 42.6 63.8





#27
Carbon Disulfide
Concen: 10.032 ppbv
RT: 4.166 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

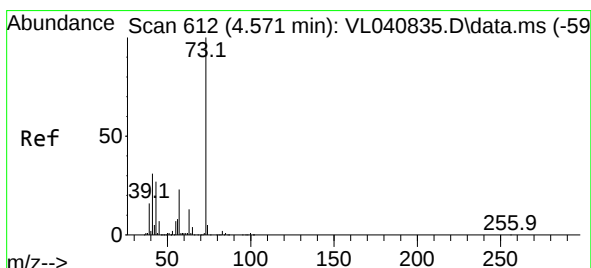
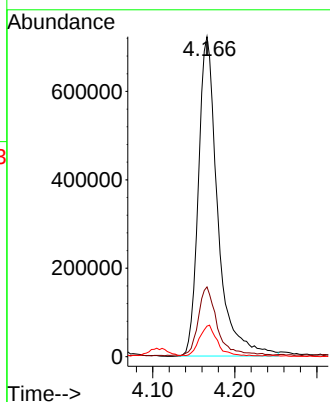
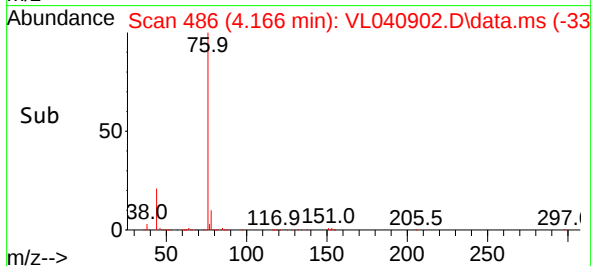
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



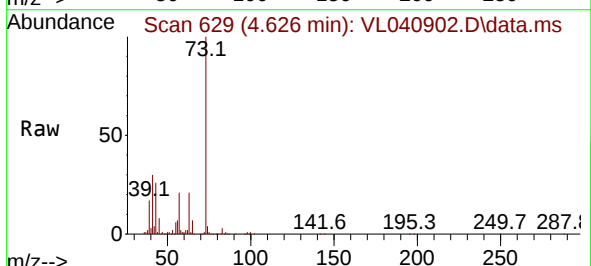
Tgt Ion: 76 Resp: 118335
Ion Ratio Lower Upper
76 100
44 21.3 16.7 25.1
78 10.0 7.6 11.4

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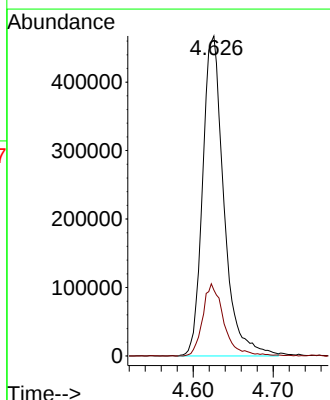
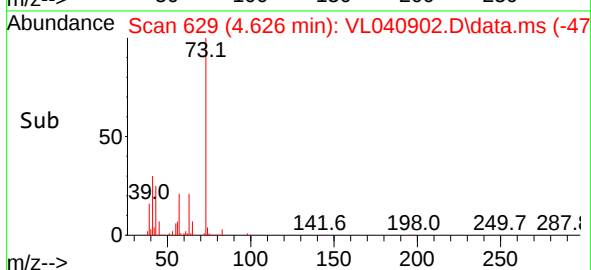
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

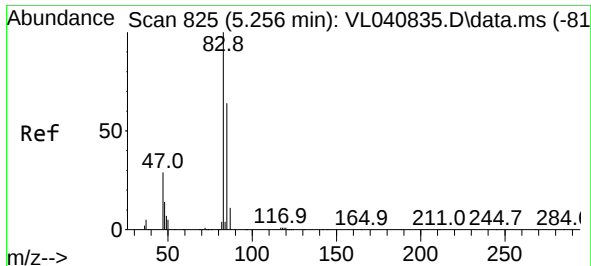


#28
Methyl tert-Butyl Ether
Concen: 10.289 ppbv
RT: 4.626 min Scan# 629
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



Tgt Ion: 73 Resp: 865516
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0





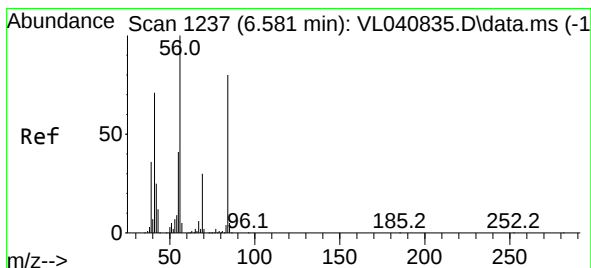
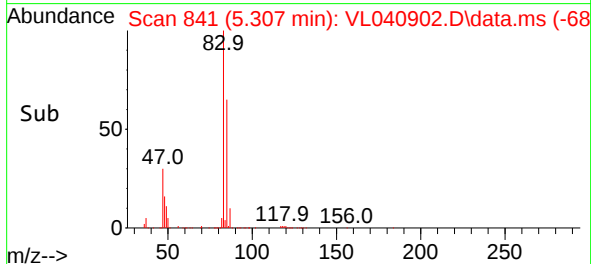
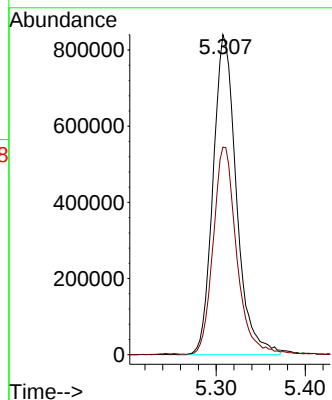
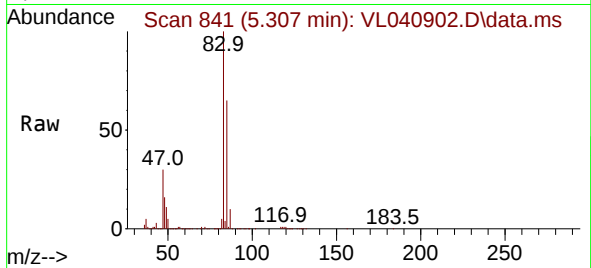
#29
Chloroform
Concen: 9.691 ppbv
RT: 5.307 min Scan# 841
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1527810
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0

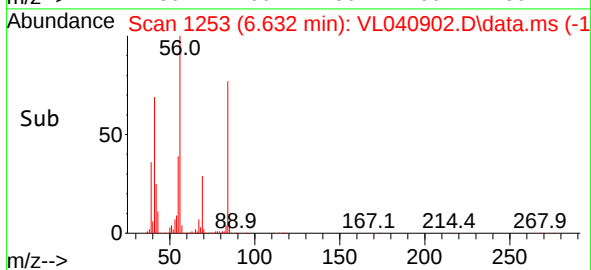
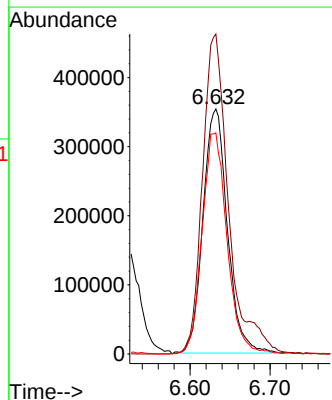
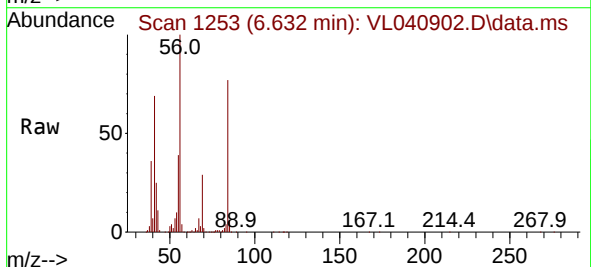
Manual Integrations
APPROVED

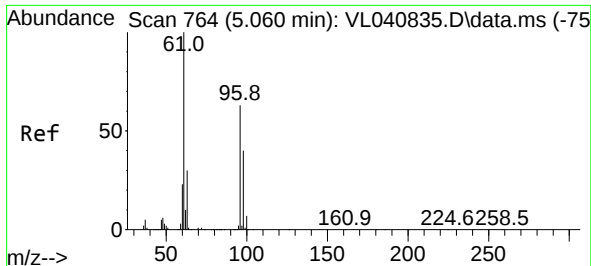
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#30
Cyclohexane
Concen: 9.383 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion: 84 Resp: 750820
Ion Ratio Lower Upper
84 100
56 140.5 109.3 163.9
41 93.0 71.4 107.2





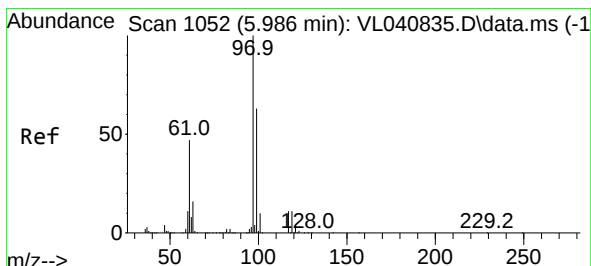
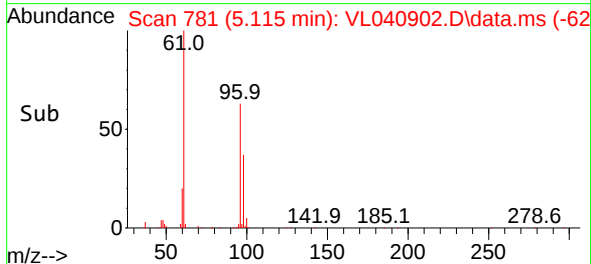
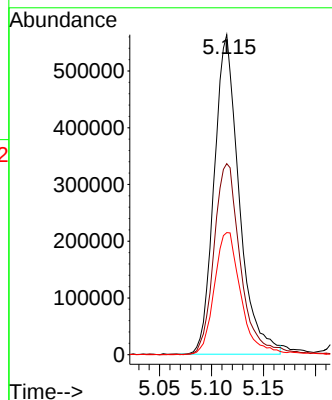
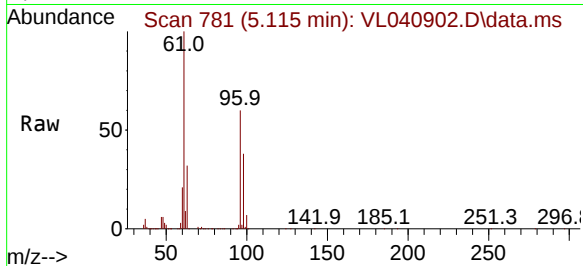
#31
 cis-1,2-Dichloroethene
 Concen: 10.231 ppbv
 RT: 5.115 min Scan# 764
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 94176
 Ion Ratio Lower Upper
 61 100
 96 59.8 50.5 75.7
 98 38.1 31.9 47.9

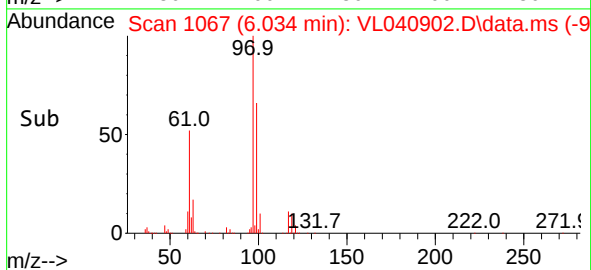
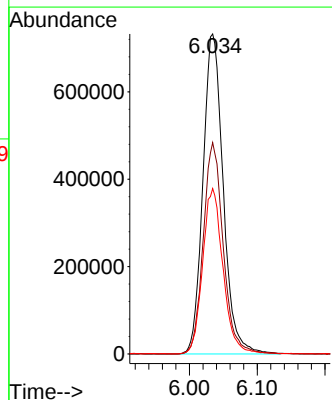
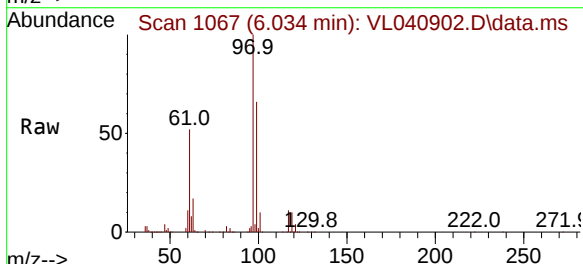
Manual Integrations
 APPROVED

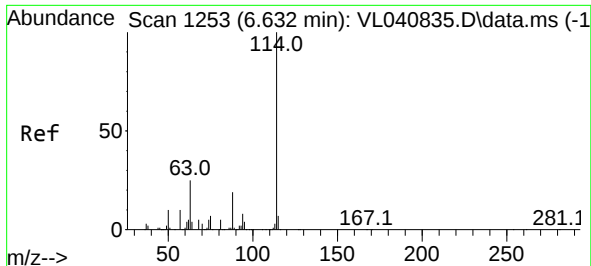
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023



#32
 1,1,1-Trichloroethane
 Concen: 10.357 ppbv
 RT: 6.034 min Scan# 1067
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

Tgt Ion: 97 Resp: 1523396
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.2 78.4
 61 52.0 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 2262830

Ion Ratio Lower Upper

114 100

63 27.4 20.9 31.3

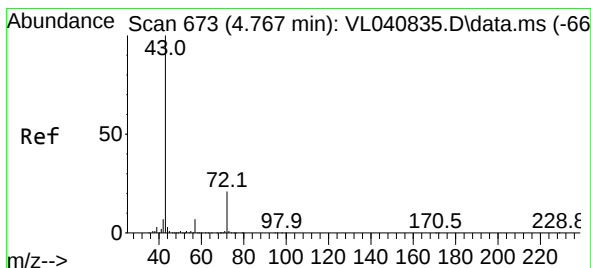
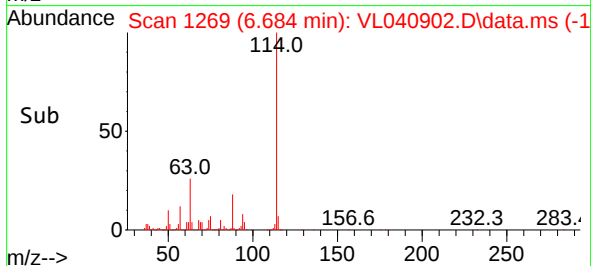
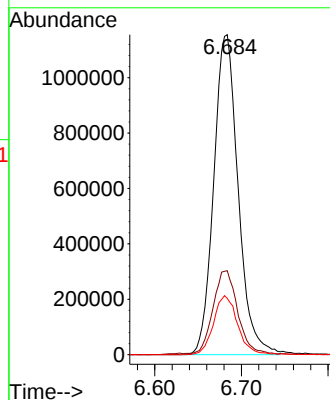
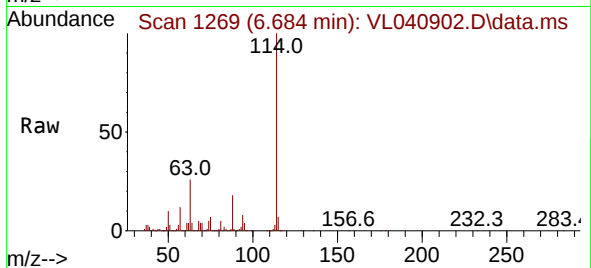
88 18.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#34

2-Butanone

Concen: 11.675 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.000 min

Lab File: VL040902.D

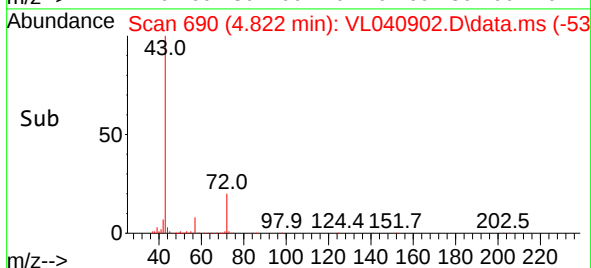
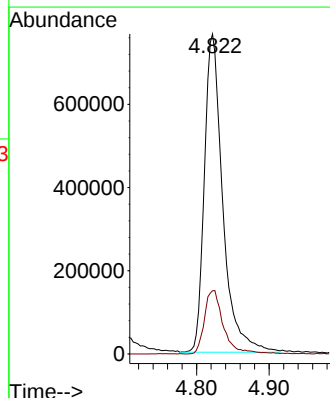
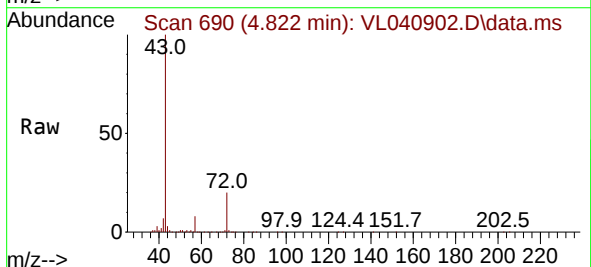
Acq: 27 Nov 2023 9:32

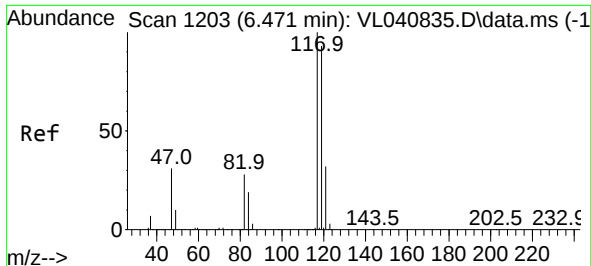
Tgt Ion: 43 Resp: 1345822

Ion Ratio Lower Upper

43 100

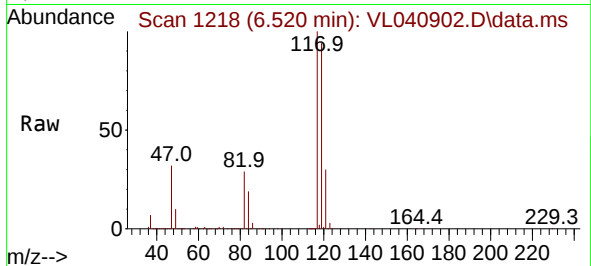
72 20.8 17.2 25.8





#35
Carbon Tetrachloride
Concen: 11.535 ppbv
RT: 6.520 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

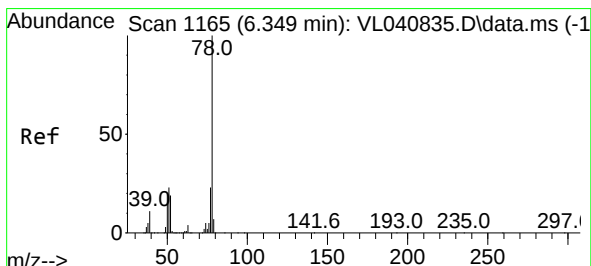
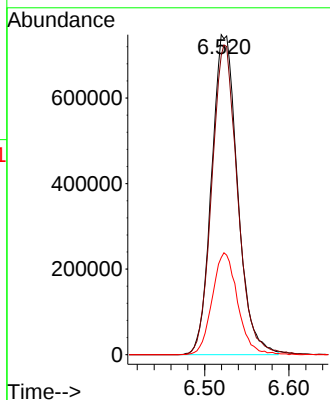
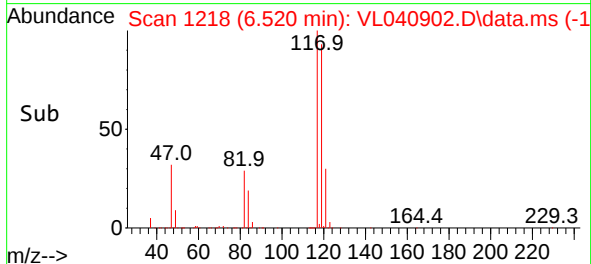
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



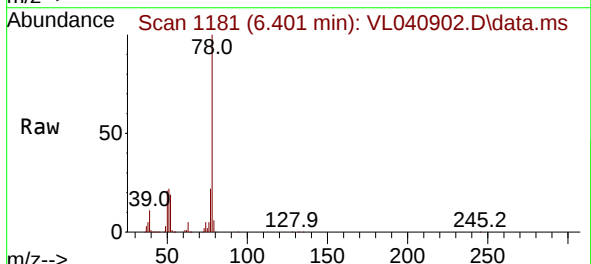
Tgt Ion: 117 Resp: 160146
Ion Ratio Lower Upper
117 100
119 93.5 74.7 112.1
121 30.3 25.5 38.3

Manual Integrations
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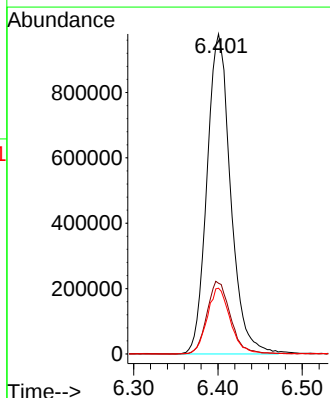
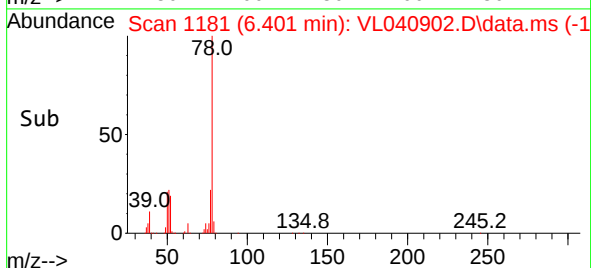
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

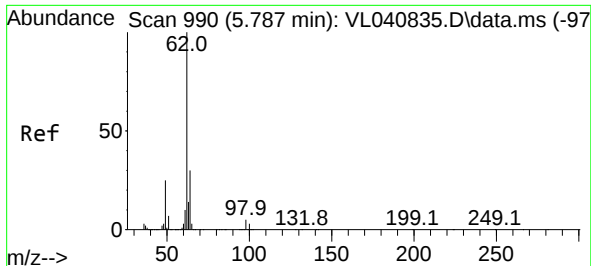


#36
Benzene
Concen: 10.397 ppbv
RT: 6.401 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



Tgt Ion: 78 Resp: 1909387
Ion Ratio Lower Upper
78 100
77 22.1 18.4 27.6
50 20.5 16.2 24.2





#37

1,2-Dichloroethane

Concen: 11.098 ppbv

RT: 5.838 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 120212

Ion Ratio Lower Upper

62 100

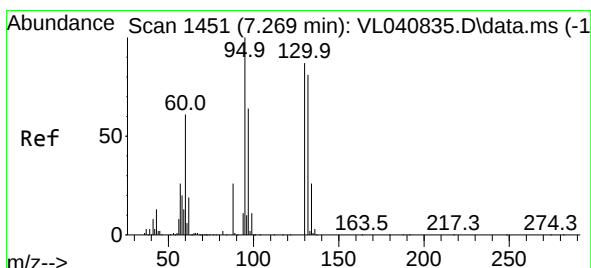
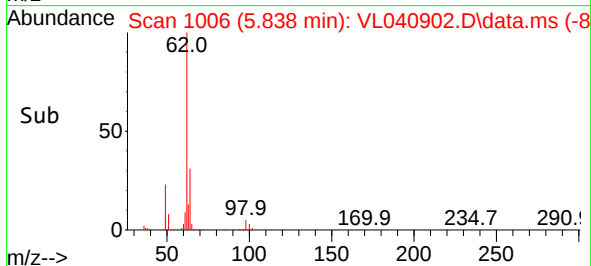
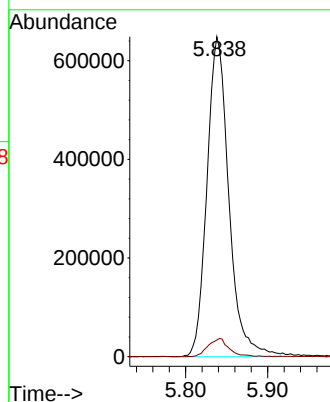
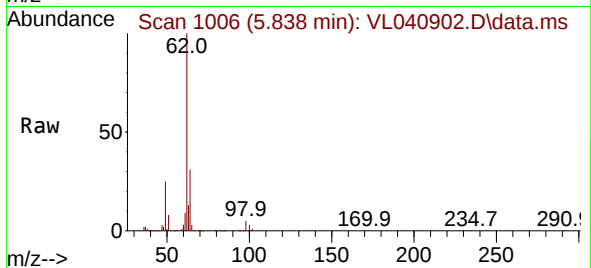
98 5.5 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#38

Trichloroethene

Concen: 9.977 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Tgt Ion:130 Resp: 712181

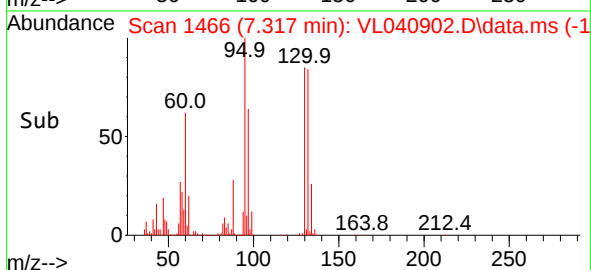
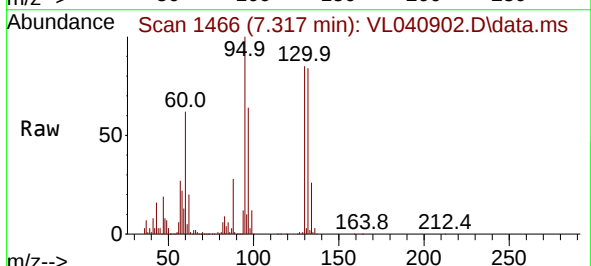
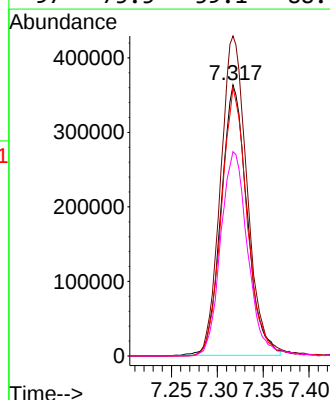
Ion Ratio Lower Upper

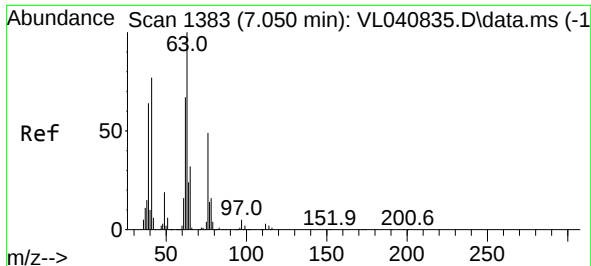
130 100

95 118.3 92.4 138.6

132 99.3 75.1 112.7

97 75.5 59.1 88.7





#39

1,2-Dichloropropane

Concen: 10.322 ppbv

RT: 7.098 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 751608

Ion Ratio Lower Upper

63 100

41 80.6 61.5 92.3

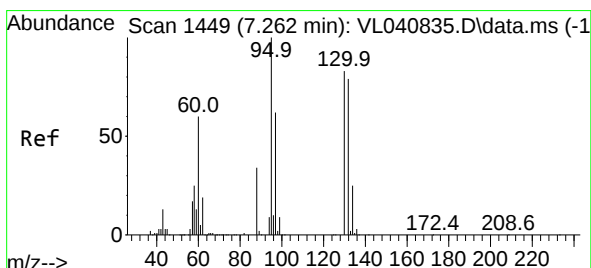
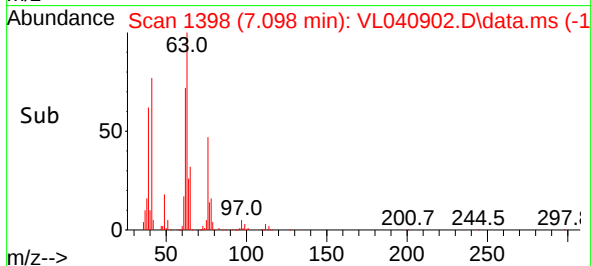
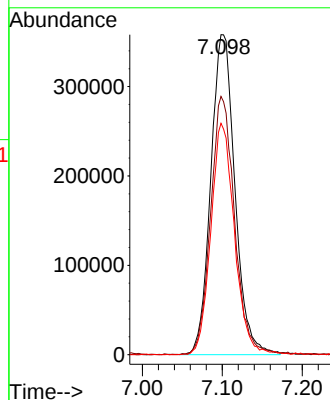
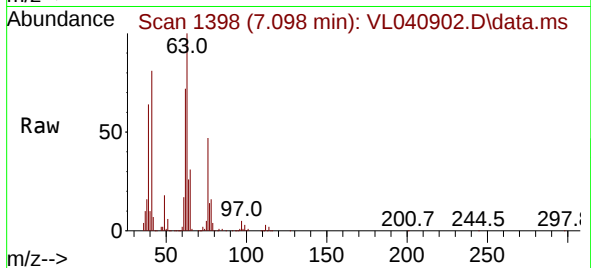
62 72.2 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#40

1,4-Dioxane

Concen: 10.472 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Tgt Ion: 88 Resp: 302565

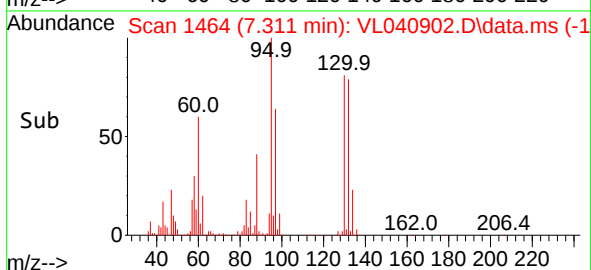
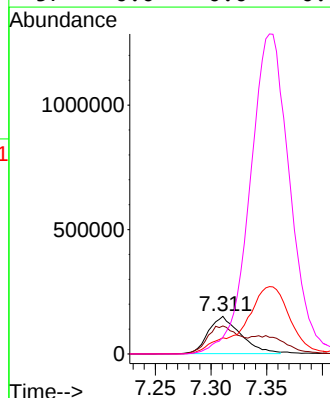
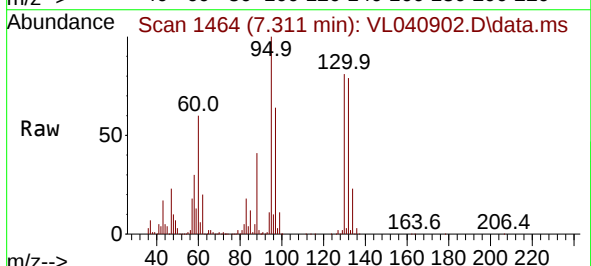
Ion Ratio Lower Upper

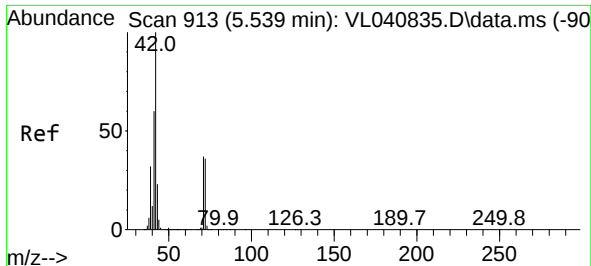
88 100

58 129.4 101.0 151.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0





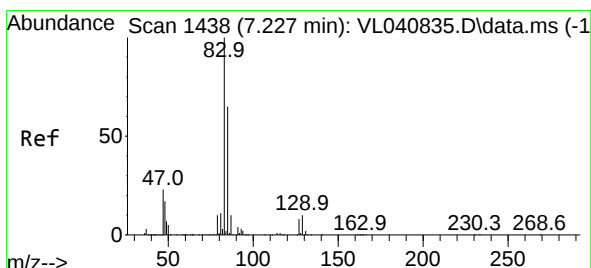
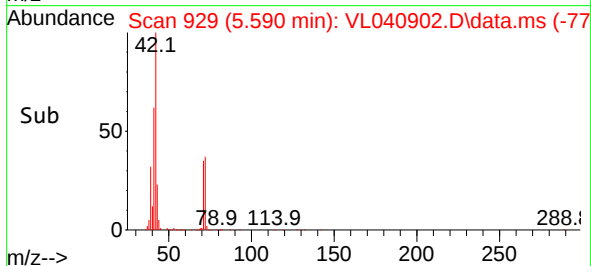
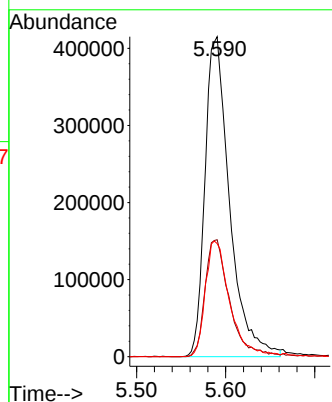
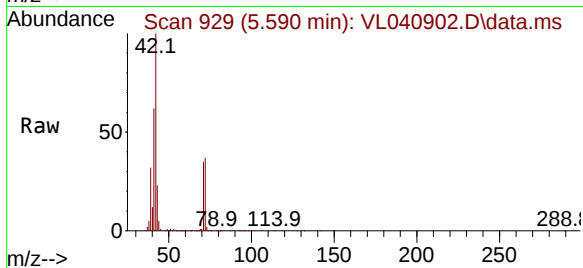
#41
Tetrahydrofuran
Concen: 11.232 ppbv
RT: 5.590 min Scan# 913
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 797202
Ion Ratio Lower Upper
42 100
72 36.9 30.8 46.2
71 36.4 30.0 45.0

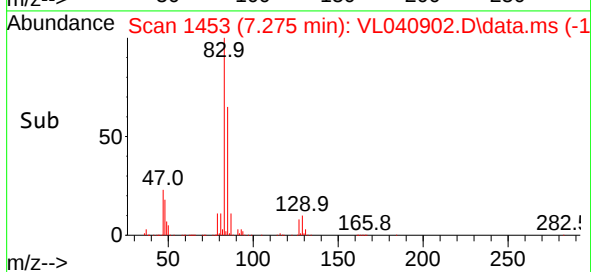
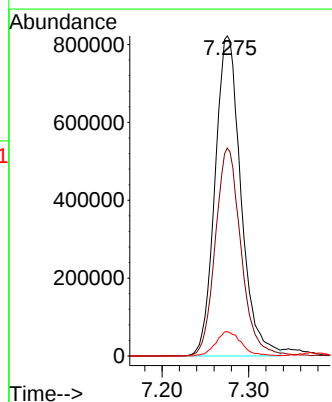
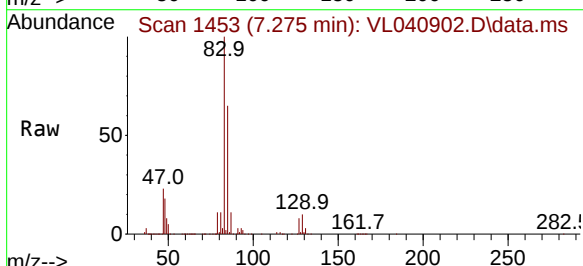
Manual Integrations
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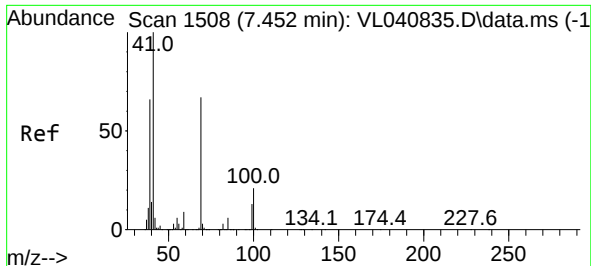
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#42
Bromodichloromethane
Concen: 11.005 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

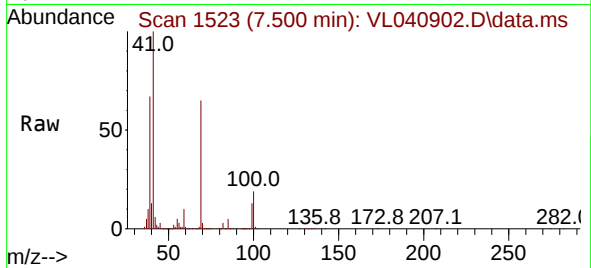
Tgt Ion: 83 Resp: 1705810
Ion Ratio Lower Upper
83 100
85 65.0 52.3 78.5
127 7.6 6.6 10.0





#43
Methyl Methacrylate
Concen: 11.363 ppbv
RT: 7.500 min Scan# 1477
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

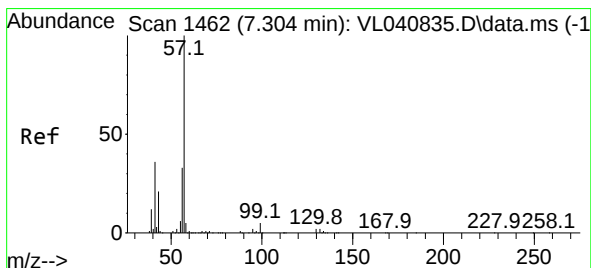
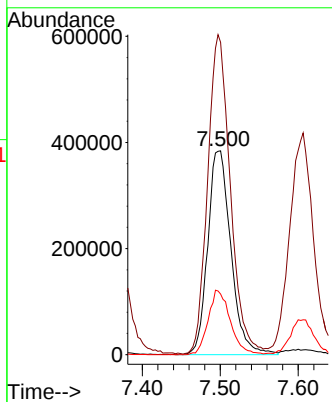
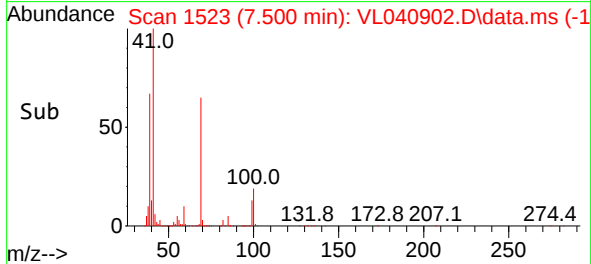
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 69 Resp: 795217
Ion Ratio Lower Upper
69 100
41 153.1 123.0 184.4
100 30.3 25.4 38.2

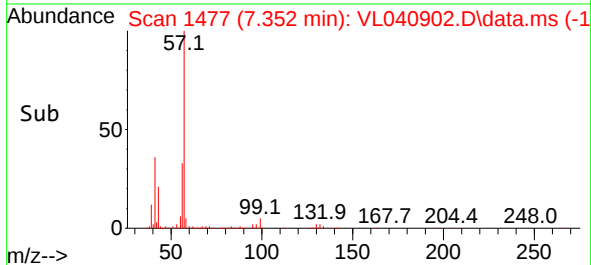
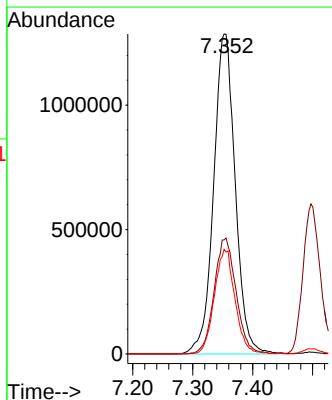
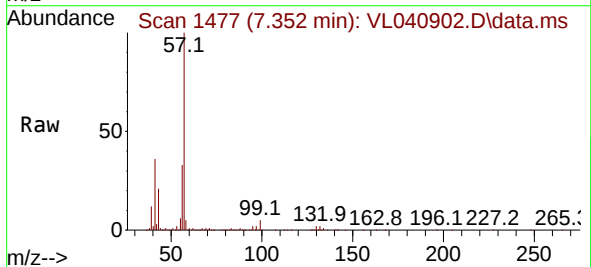
Manual Integrations
APPROVED

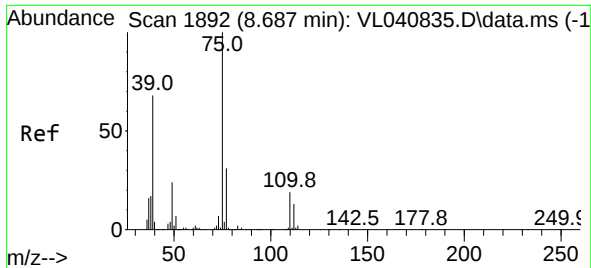
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#44
2,2,4-Trimethylpentane
Concen: 10.526 ppbv
RT: 7.352 min Scan# 1477
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

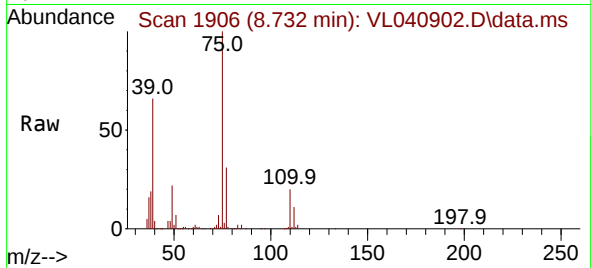
Tgt Ion: 57 Resp: 3211036
Ion Ratio Lower Upper
57 100
41 36.8 29.0 43.6
56 31.3 25.2 37.8





#45
t-1,3-Dichloropropene
Concen: 12.999 ppbv
RT: 8.732 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

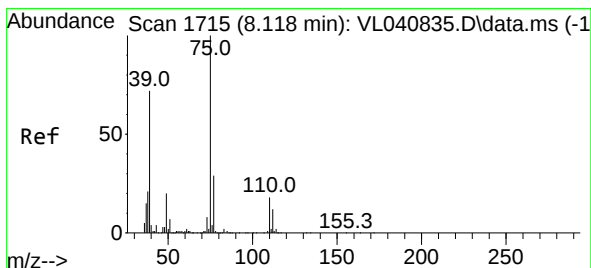
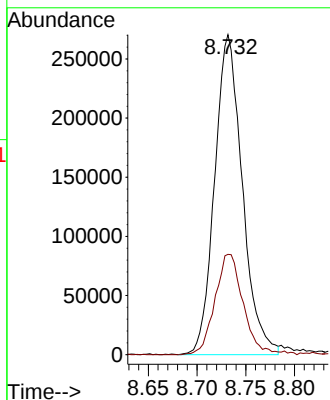
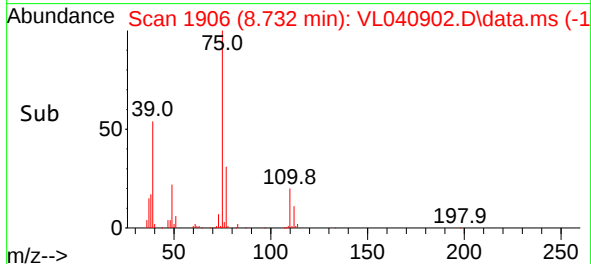
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



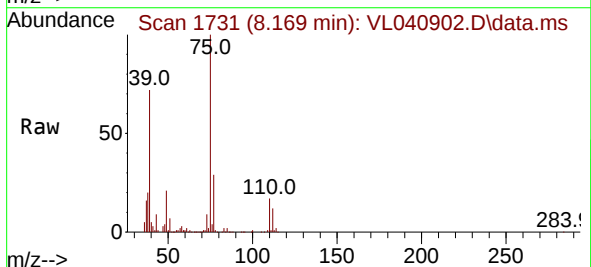
Tgt Ion: 75 Resp: 534578
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3

Manual Integrations
APPROVED

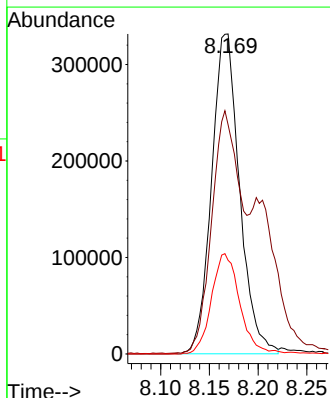
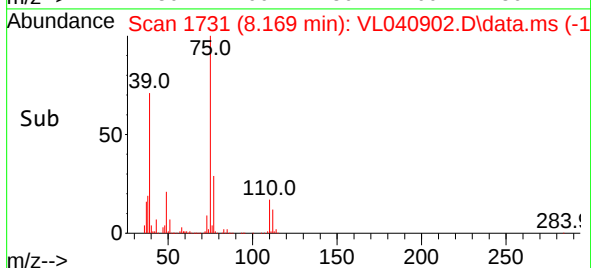
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

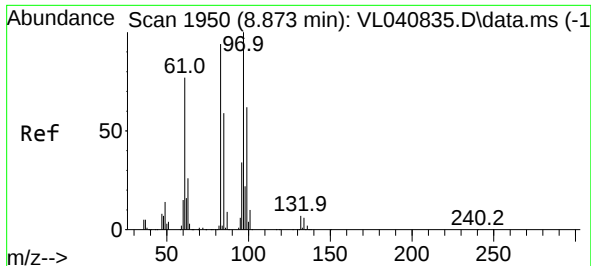


#46
cis-1,3-Dichloropropene
Concen: 12.408 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



Tgt Ion: 75 Resp: 661641
Ion Ratio Lower Upper
75 100
39 71.3 57.3 85.9
77 29.3 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 10.226 ppbv

RT: 8.921 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 780275

Ion Ratio Lower Upper

97 100

83 89.4 74.8 112.2

85 57.3 47.4 71.0

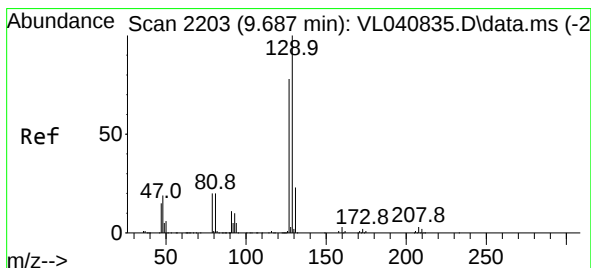
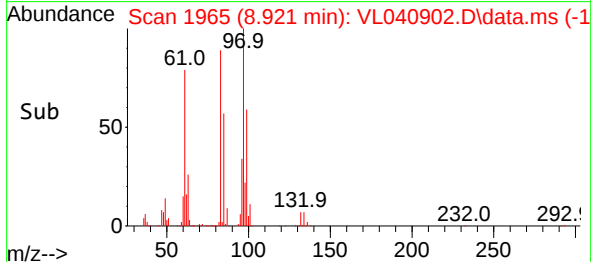
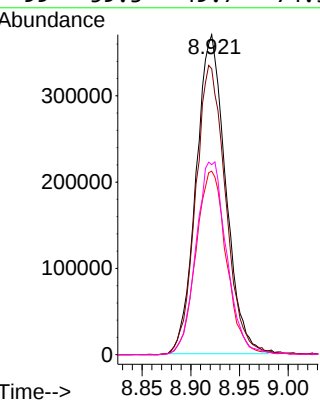
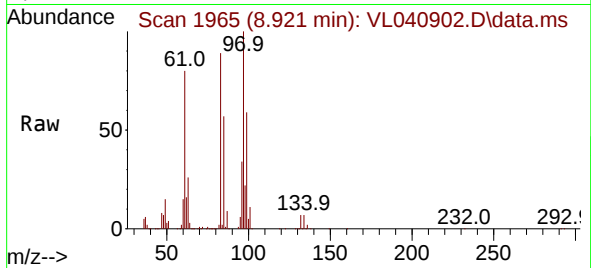
99 59.3 49.7 74.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#48

Dibromochloromethane

Concen: 10.980 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.000 min

Lab File: VL040902.D

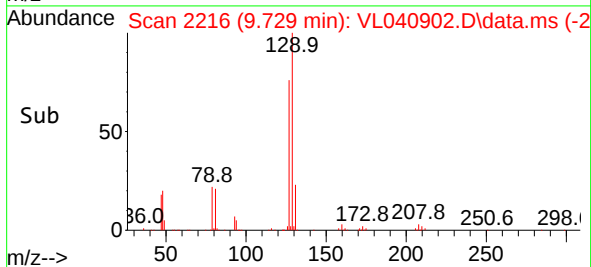
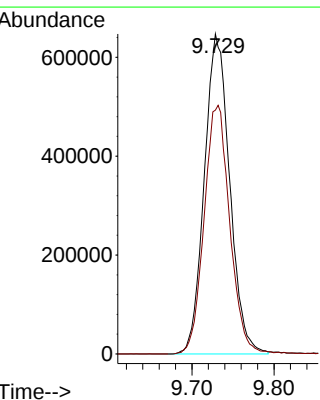
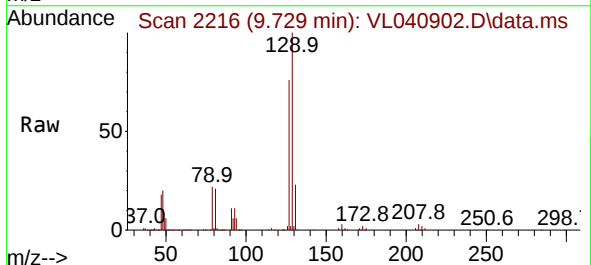
Acq: 27 Nov 2023 9:32

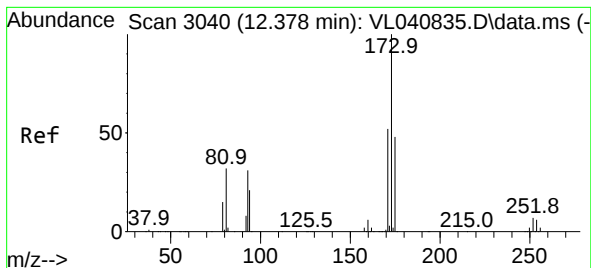
Tgt Ion:129 Resp: 1390075

Ion Ratio Lower Upper

129 100

127 79.2 39.3 117.9





#49

Bromoform

Concen: 11.649 ppbv

RT: 12.423 min Scan# 3040

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 110925

Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

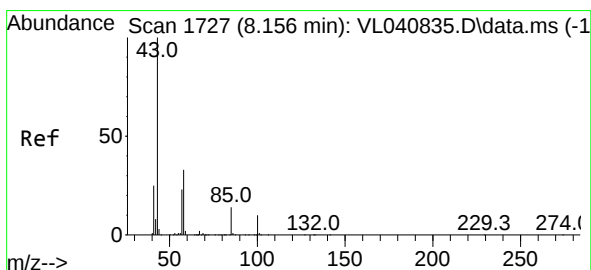
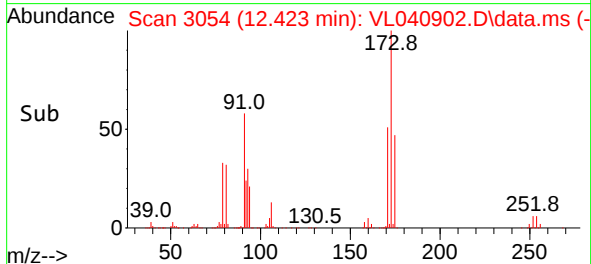
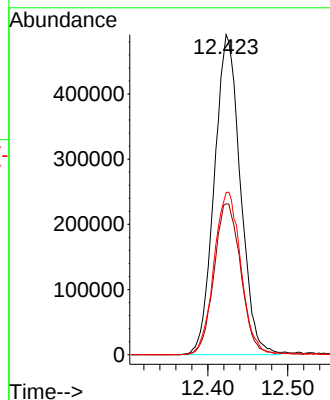
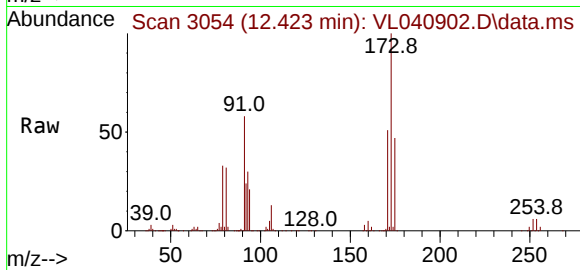
171 53.0 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#50

4-Methyl-2-Pentanone

Concen: 11.418 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.000 min

Lab File: VL040902.D

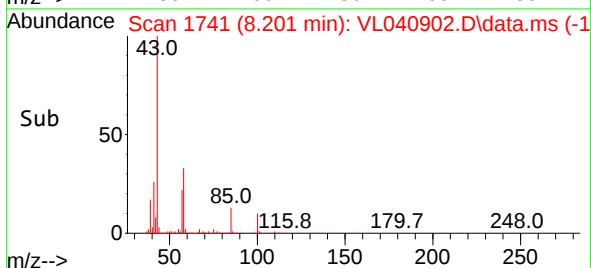
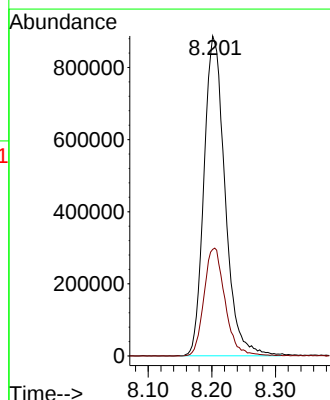
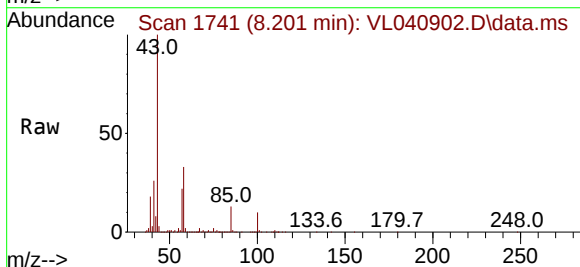
Acq: 27 Nov 2023 9:32

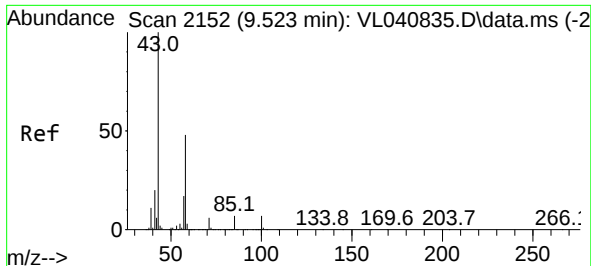
Tgt Ion: 43 Resp: 2036953

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.6





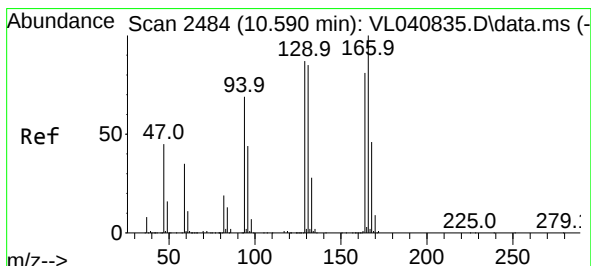
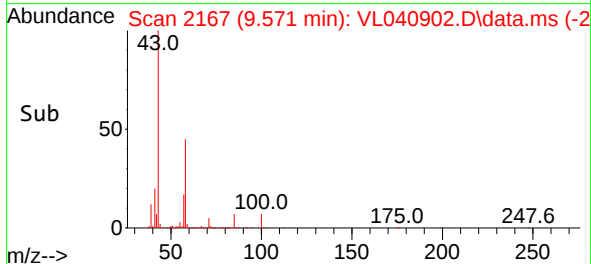
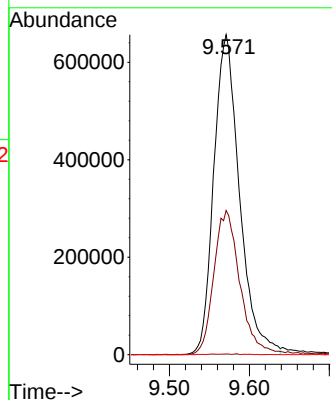
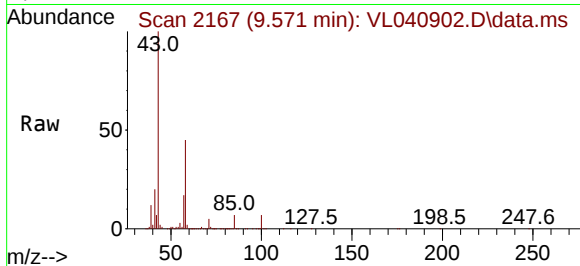
#51
2-Hexanone
Concen: 11.630 ppbv
RT: 9.571 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1462570
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.2
98 0.2 0.2 0.2

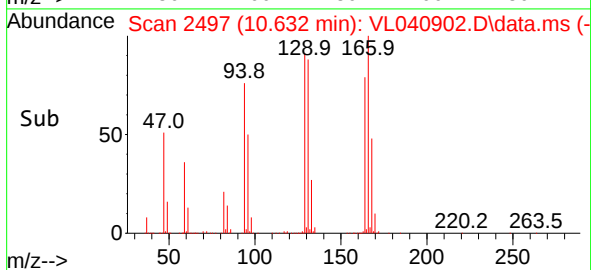
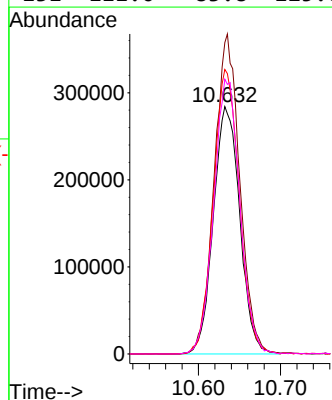
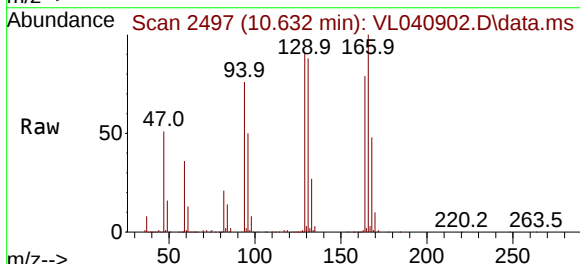
Manual Integrations
APPROVED

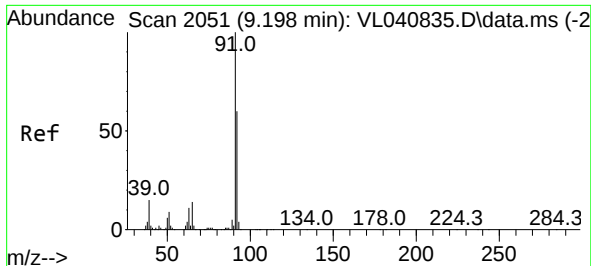
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#52
Tetrachloroethene
Concen: 10.275 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion:164 Resp: 635469
Ion Ratio Lower Upper
164 100
166 125.8 98.3 147.5
129 115.0 85.1 127.7
131 111.0 83.8 125.6





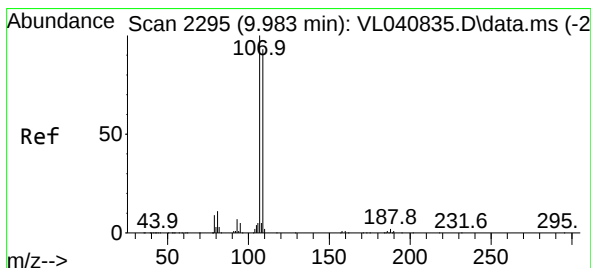
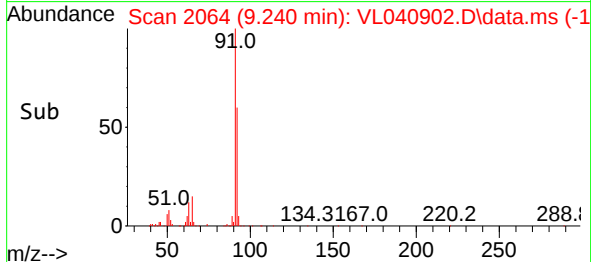
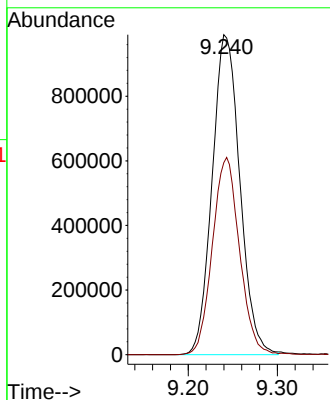
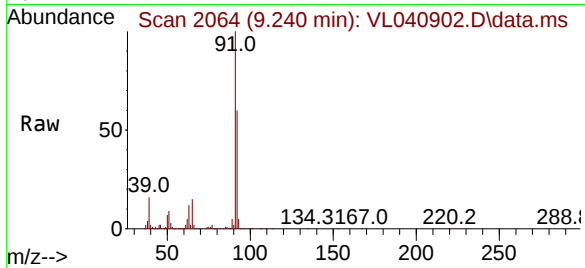
#53
Toluene
Concen: 10.594 ppbv
RT: 9.240 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 214100
Ion Ratio Lower Upper
91 100
92 60.6 49.4 74.2

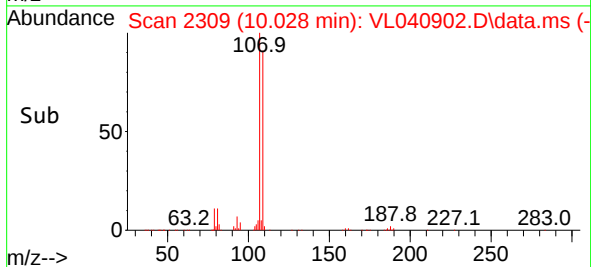
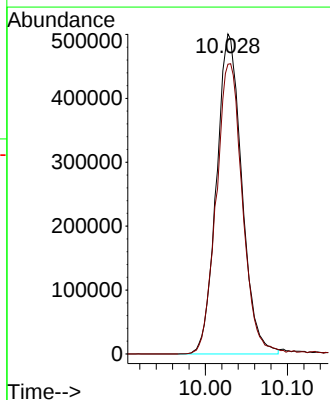
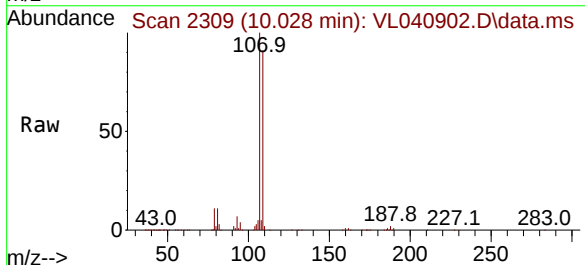
Manual Integrations
APPROVED

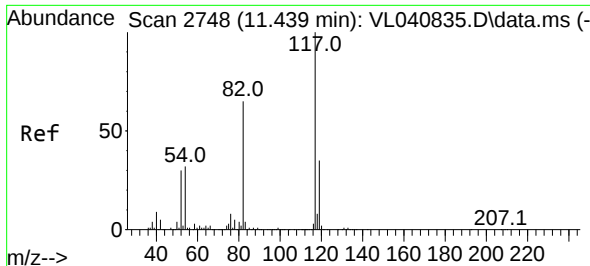
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#54
1,2-Dibromoethane
Concen: 10.969 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

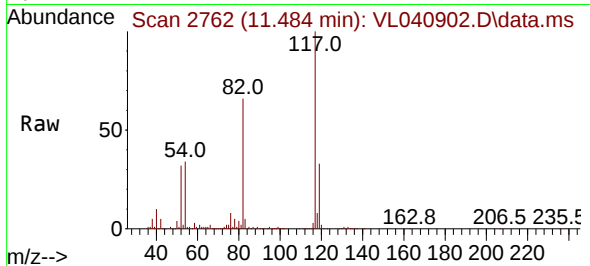
Tgt Ion:107 Resp: 1077088
Ion Ratio Lower Upper
107 100
109 90.5 74.5 111.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 217095
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

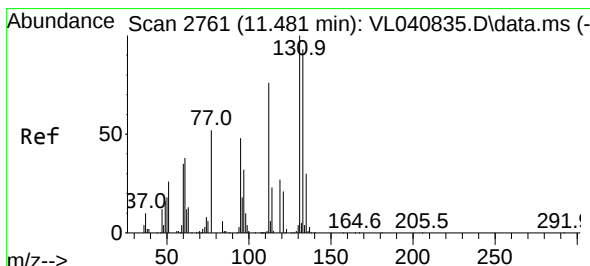
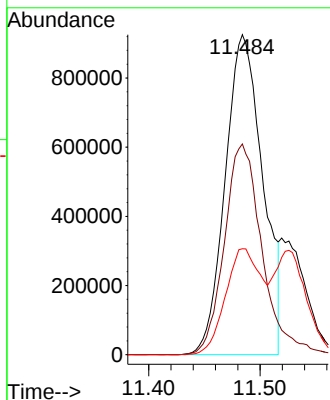
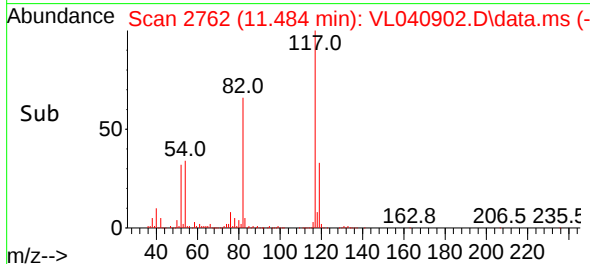
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



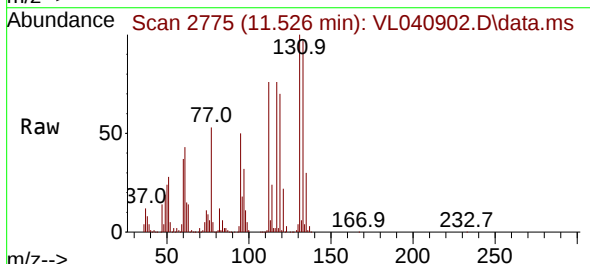
Tgt Ion:117 Resp: 217095
Ion Ratio Lower Upper
117 100
82 66.4 50.6 75.8
119 31.8 23.3 34.9

Manual Integrations
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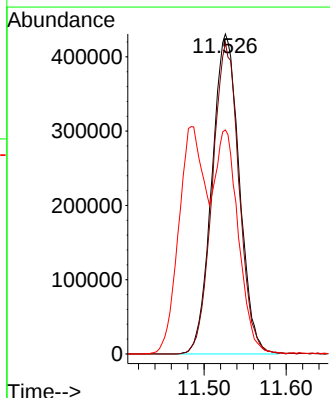
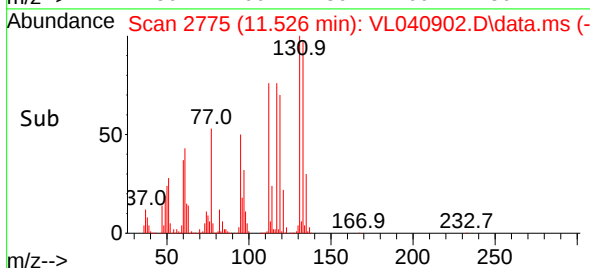
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

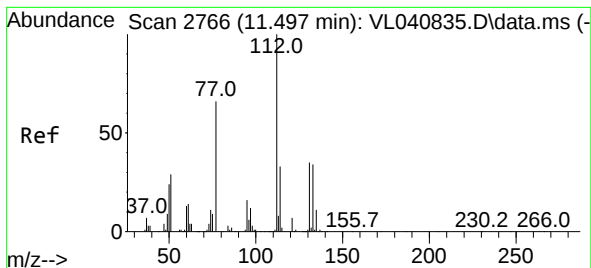


#56
1,1,1,2-Tetrachloroethane
Concen: 10.747 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



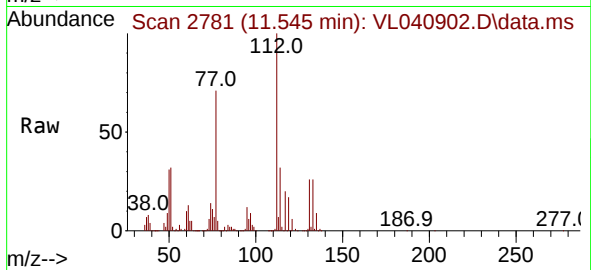
Tgt Ion:131 Resp: 998575
Ion Ratio Lower Upper
131 100
133 94.8 76.4 114.6
119 57.5 51.1 76.7





#57
Chlorobenzene
Concen: 10.065 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

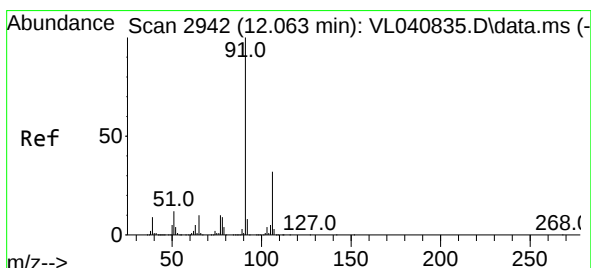
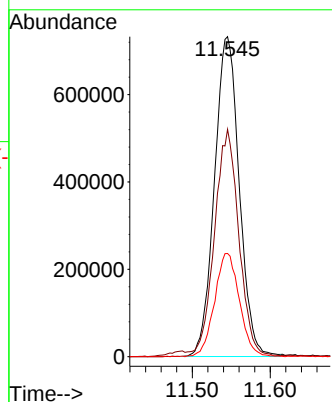
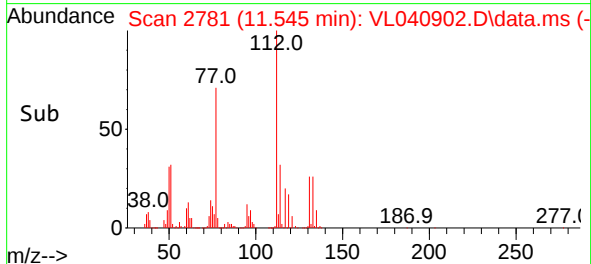
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



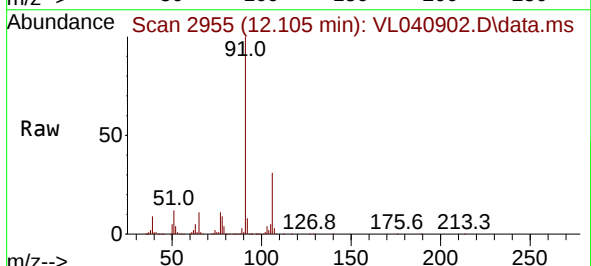
Tgt Ion:112 Resp: 1619649
Ion Ratio Lower Upper
112 100
77 70.8 53.3 79.9
114 32.2 29.3 35.9

Manual Integrations
APPROVED

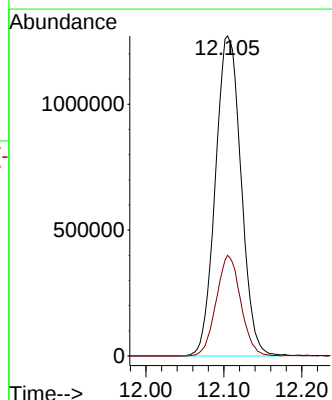
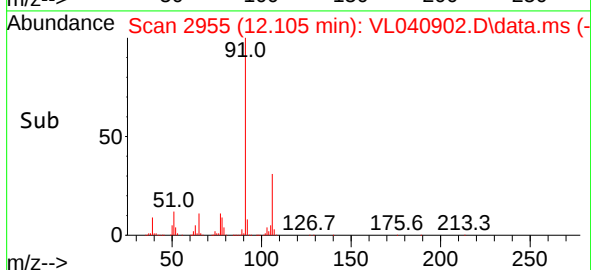
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

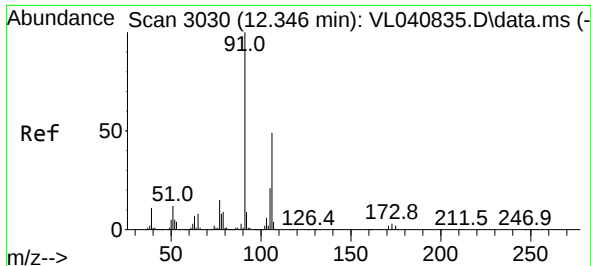


#58
Ethyl Benzene
Concen: 10.284 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



Tgt Ion: 91 Resp: 2913123
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8





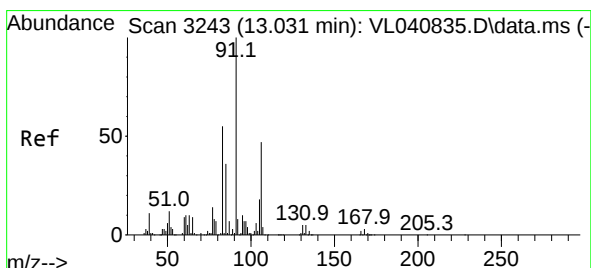
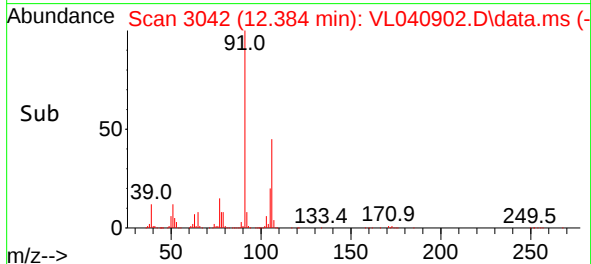
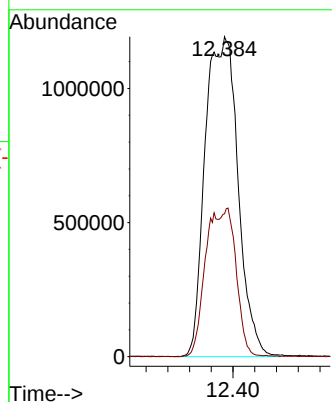
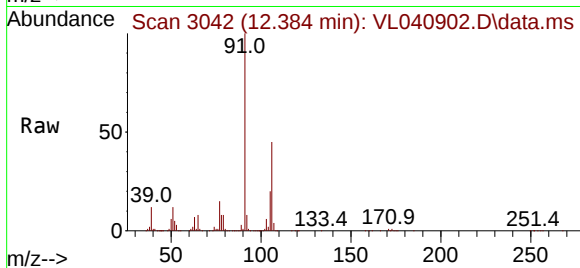
#59
m/p-Xylene
Concen: 20.726 ppbv m
RT: 12.384 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 4999380
Ion Ratio Lower Upper
91 100
106 42.8 35.4 53.0

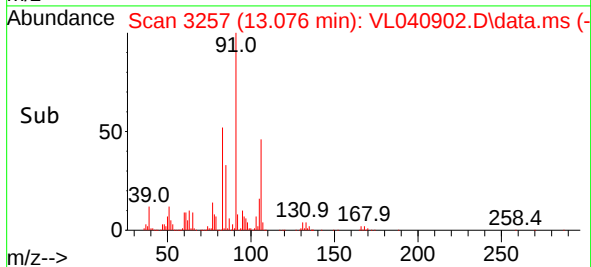
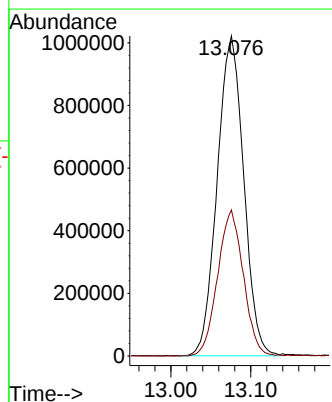
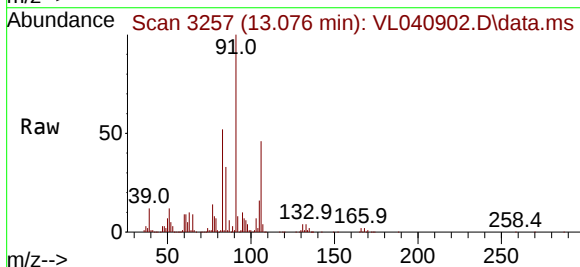
Manual Integrations
APPROVED

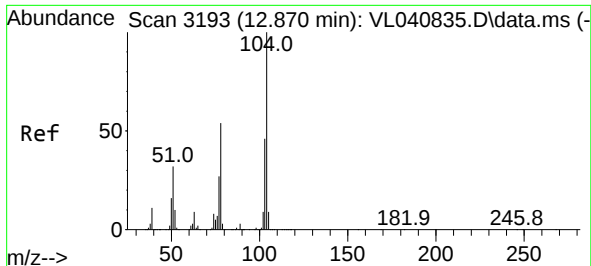
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#60
o-Xylene
Concen: 10.248 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

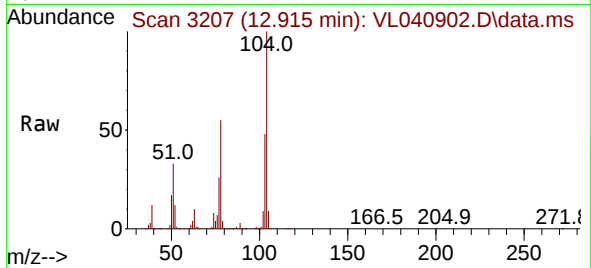
Tgt Ion: 91 Resp: 2353115
Ion Ratio Lower Upper
91 100
106 44.3 22.9 68.5





#61
Styrene
Concen: 10.695 ppbv
RT: 12.915 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

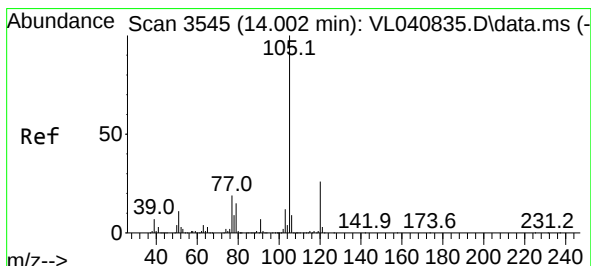
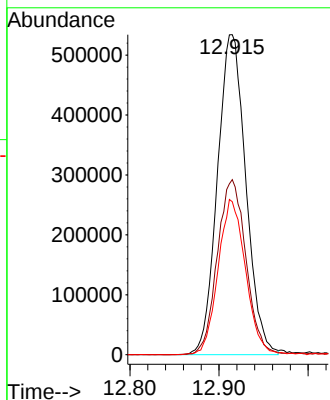
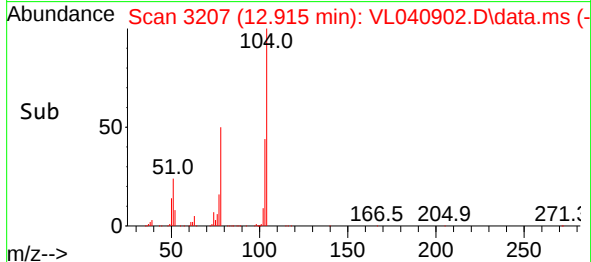
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



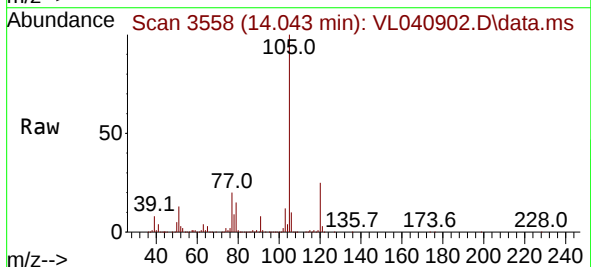
Tgt Ion:104 Resp: 1184400
Ion Ratio Lower Upper
104 100
78 55.5 43.3 64.9
103 47.1 37.6 56.4

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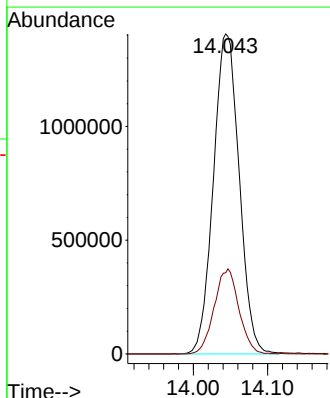
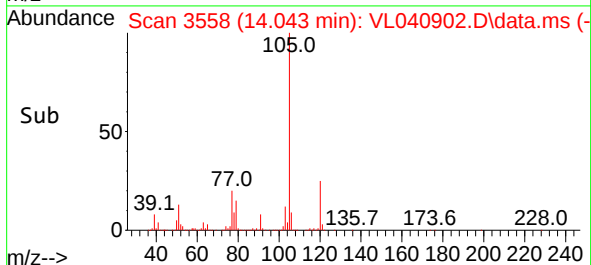
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

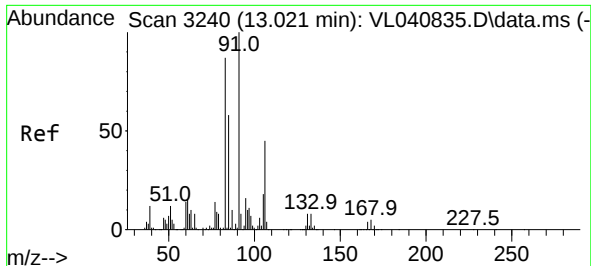


#62
Isopropylbenzene
Concen: 10.006 ppbv
RT: 14.043 min Scan# 3558
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



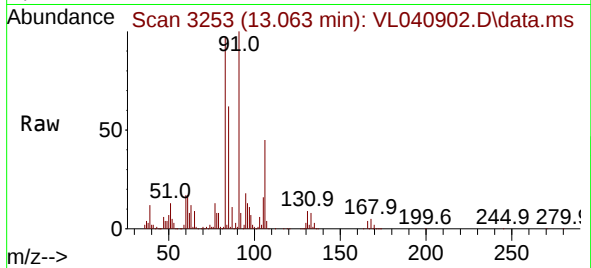
Tgt Ion:105 Resp: 3394709
Ion Ratio Lower Upper
105 100
120 25.5 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 10.546 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

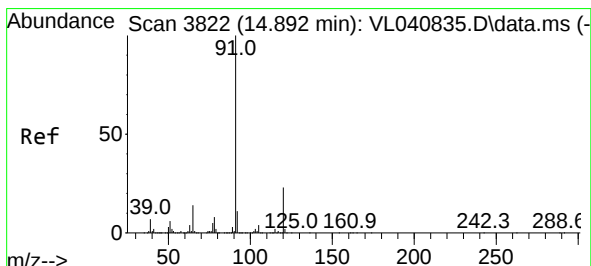
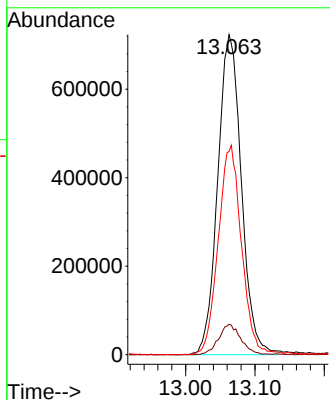
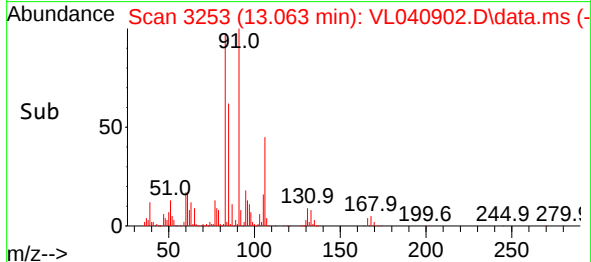
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



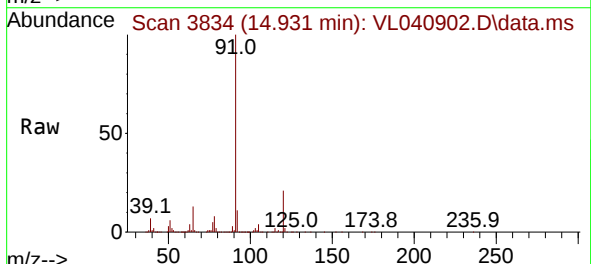
Tgt Ion: 83 Resp: 1716290
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.7
85 64.7 32.9 98.7

Manual Integrations
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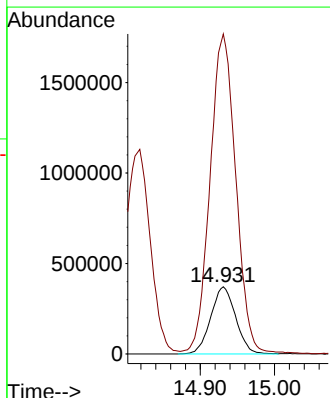
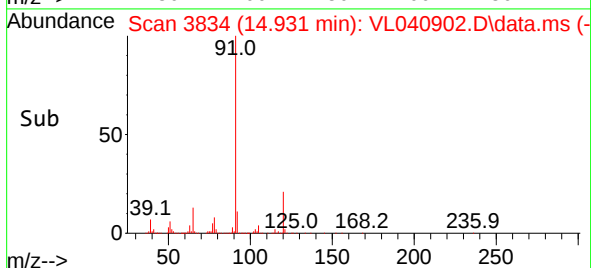
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

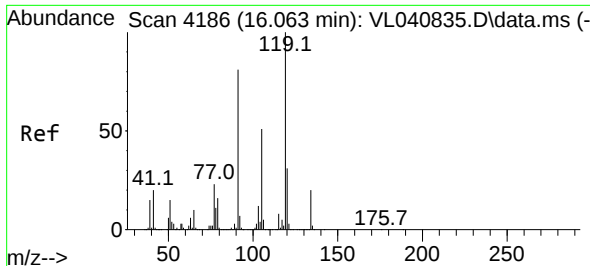


#64
n-propylbenzene
Concen: 10.181 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



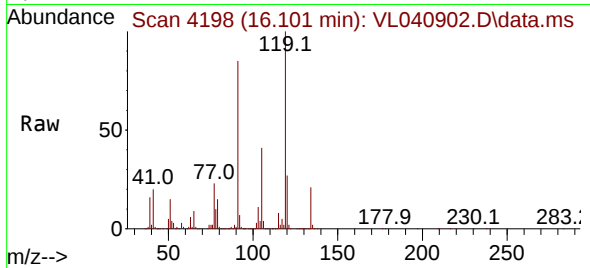
Tgt Ion:120 Resp: 865658
Ion Ratio Lower Upper
120 100
91 494.0 381.1 571.7





#65
tert-Butylbenzene
Concen: 10.195 ppbv
RT: 16.101 min Scan# 4186
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

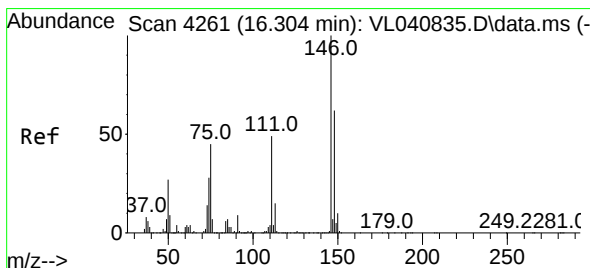
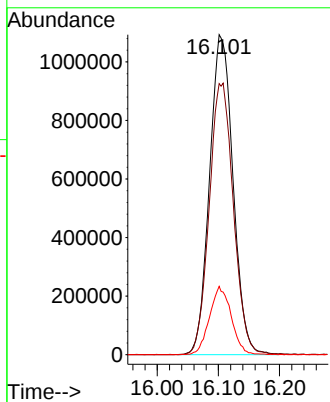
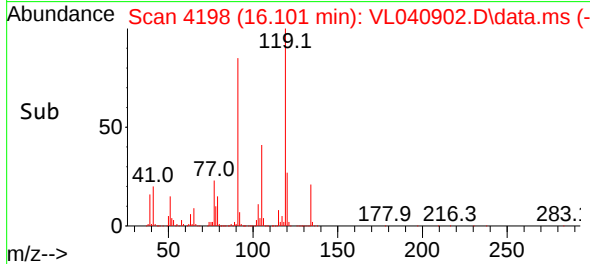
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



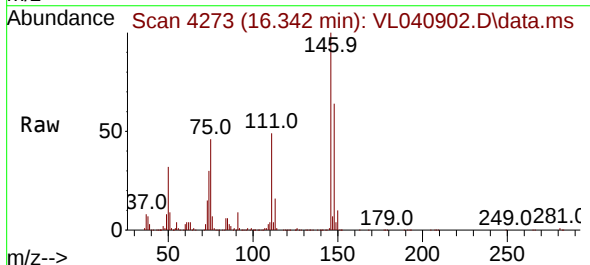
Tgt Ion:119 Resp: 2916370
Ion Ratio Lower Upper
119 100
91 87.5 67.5 101.3
134 19.8 15.9 23.9

Manual Integrations
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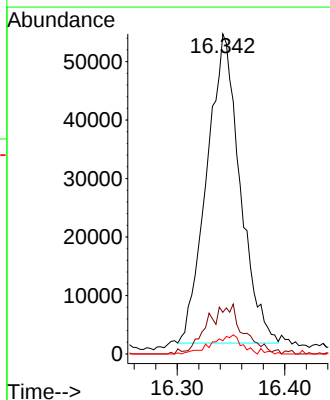
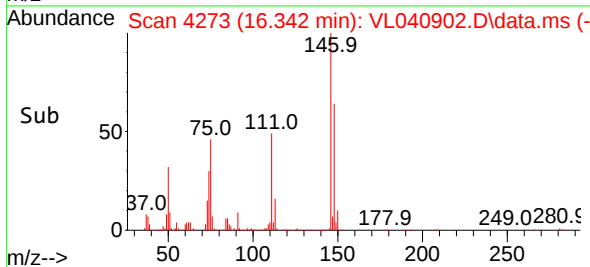
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

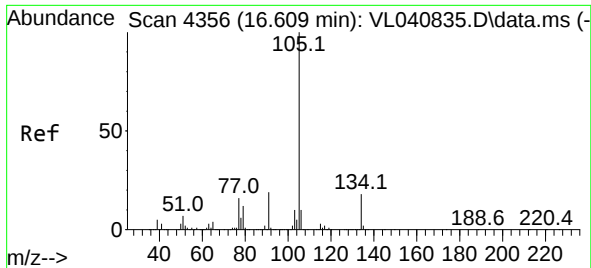


#66
Benzyl Chloride
Concen: 10.773 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



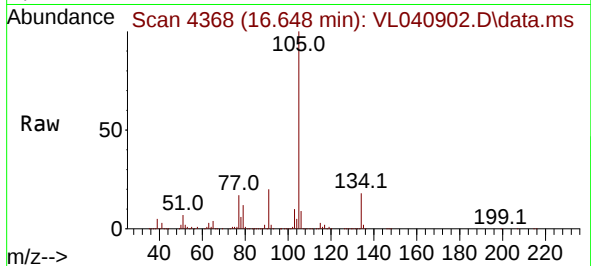
Tgt Ion: 91 Resp: 113552
Ion Ratio Lower Upper
91 100
126 17.7 12.8 19.2
128 5.8 0.0 0.0#





#67
 sec-Butylbenzene
 Concen: 10.194 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32

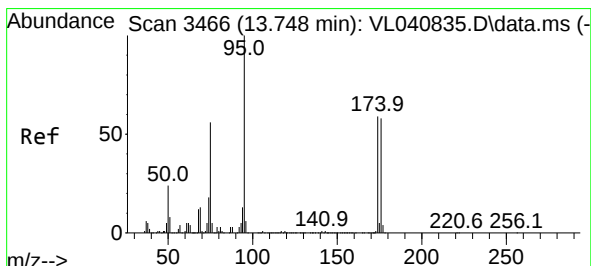
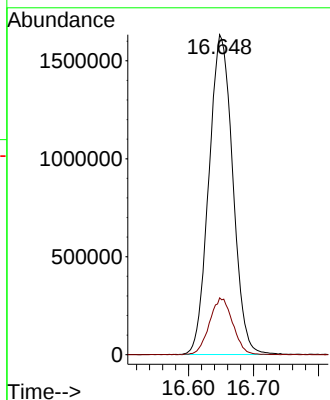
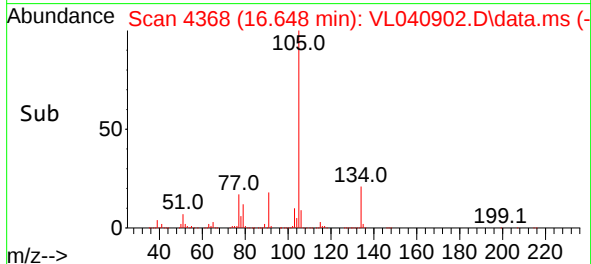
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



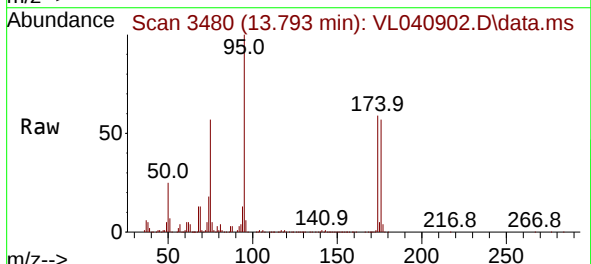
Tgt Ion:105 Resp: 416532
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.3 21.5

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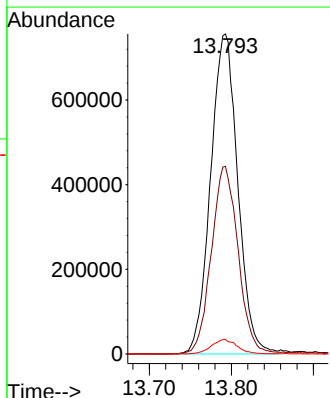
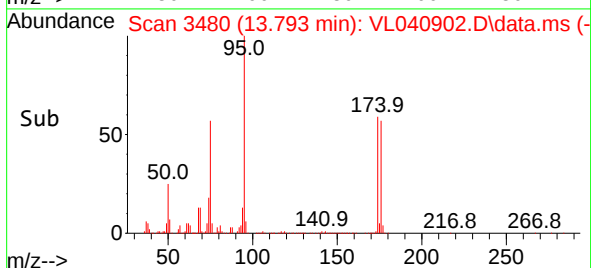
Reviewed By :Semsettin Yesilyurt 11/28/2023
 Supervised By :Mahesh Dadoda 11/28/2023

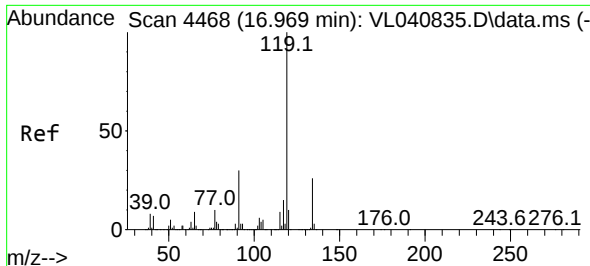


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.242 ppbv
 RT: 13.793 min Scan# 3480
 Delta R.T. 0.000 min
 Lab File: VL040902.D
 Acq: 27 Nov 2023 9:32



Tgt Ion: 95 Resp: 1740773
 Ion Ratio Lower Upper
 95 100
 174 58.5 47.5 71.3
 175 4.4 3.6 5.4





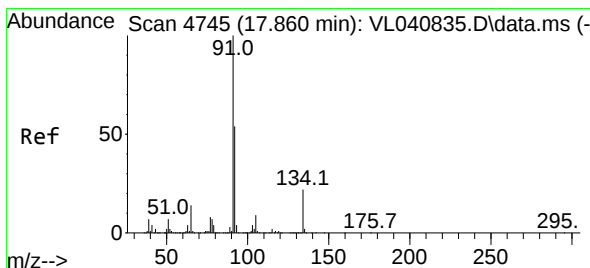
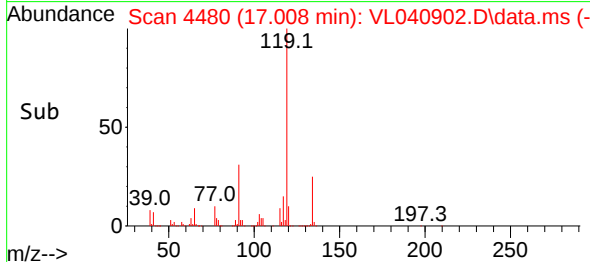
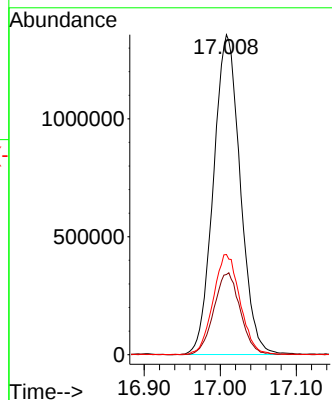
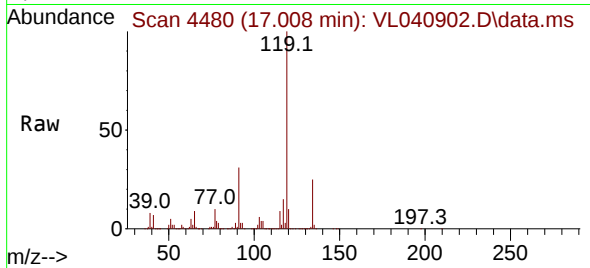
#69
p-Isopropyltoluene
Concen: 10.164 ppbv
RT: 17.008 min Scan# 4468
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3311814
Ion Ratio Lower Upper
119 100
134 25.4 20.5 30.7
91 31.4 24.7 37.1

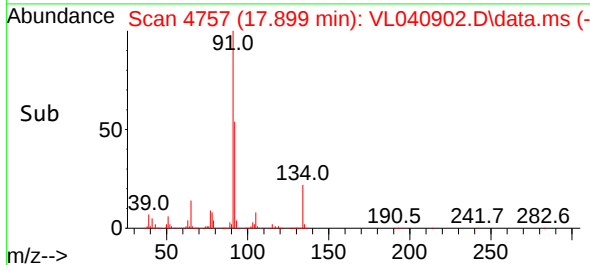
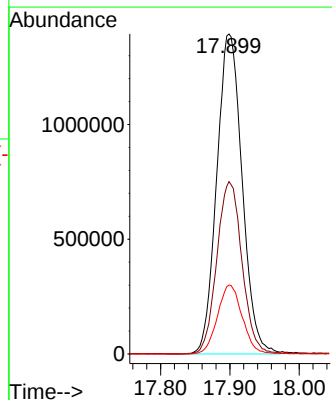
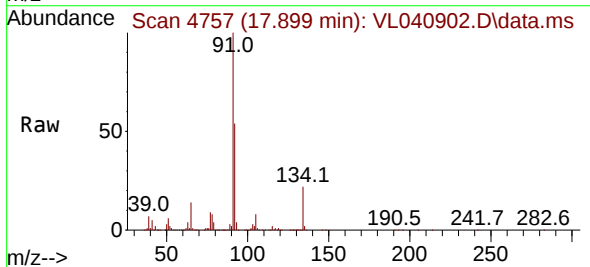
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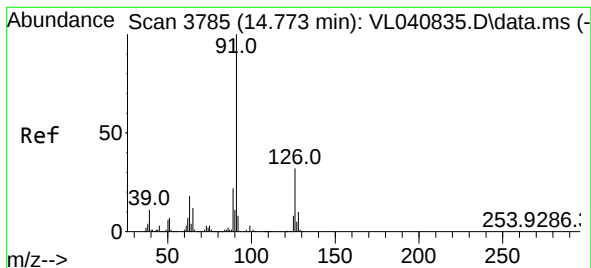
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#70
n-Butylbenzene
Concen: 10.327 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion: 91 Resp: 3553106
Ion Ratio Lower Upper
91 100
92 53.5 43.4 65.2
134 21.1 17.4 26.0





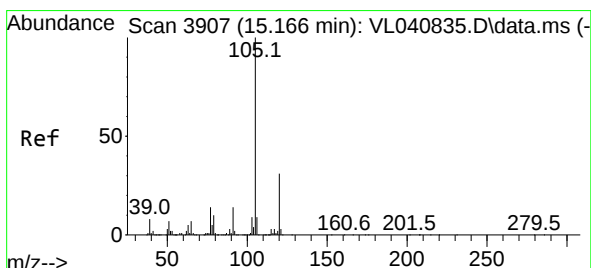
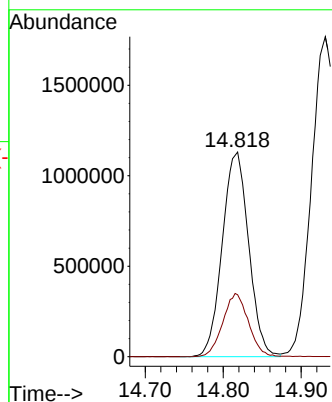
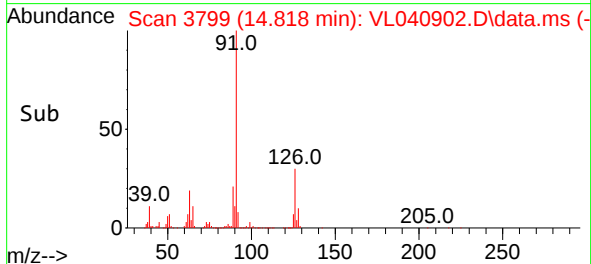
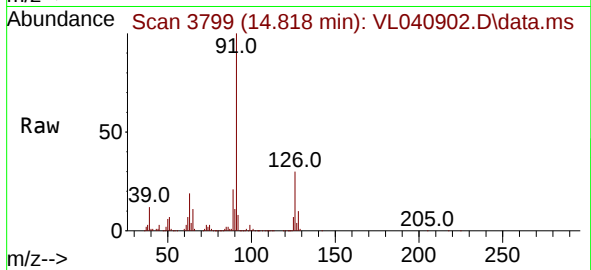
#71
2-Chlorotoluene
Concen: 10.311 ppbv
RT: 14.818 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2666588
Ion Ratio Lower Upper
91 100
126 29.9 12.1 48.5

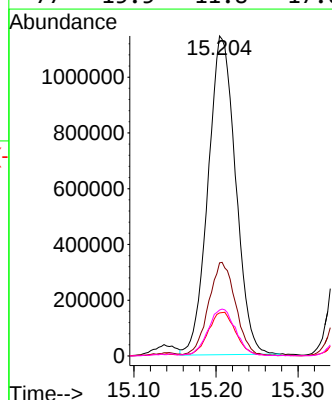
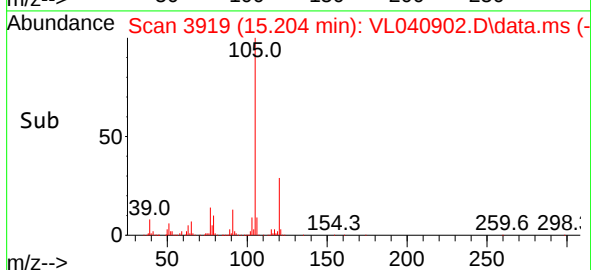
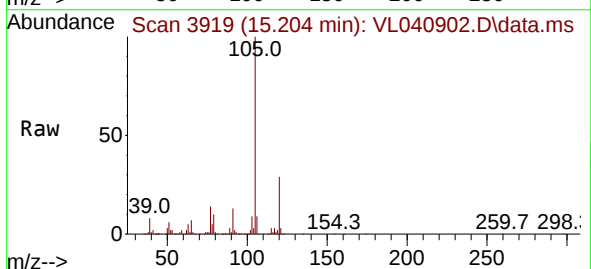
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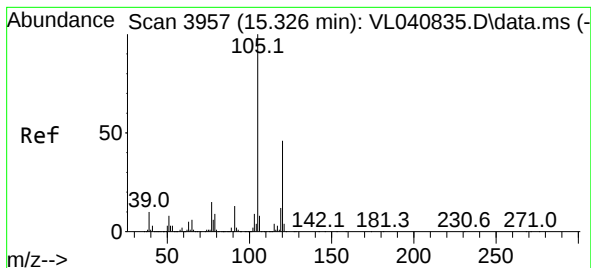
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#72
4-Ethyltoluene
Concen: 10.556 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion:105 Resp: 2664589
Ion Ratio Lower Upper
105 100
120 29.2 24.5 36.7
91 14.4 10.6 16.0
77 15.5 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.347 ppbv

RT: 15.365 min Scan# 3957

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 230997

Ion Ratio Lower Upper

105 100

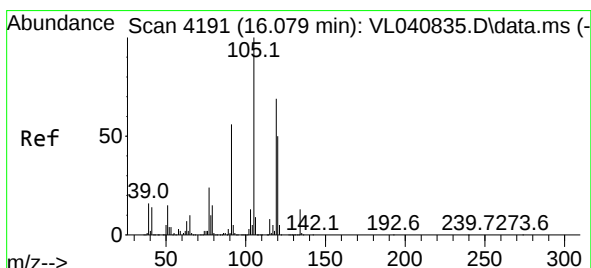
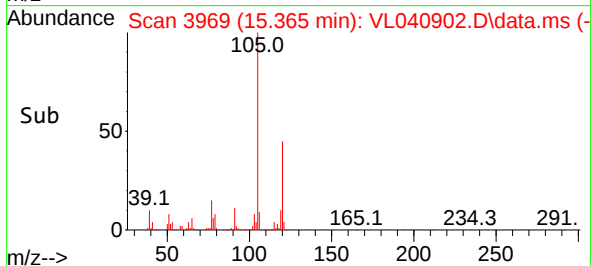
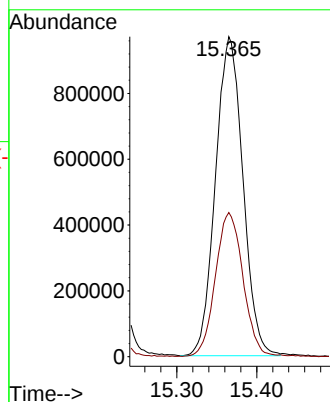
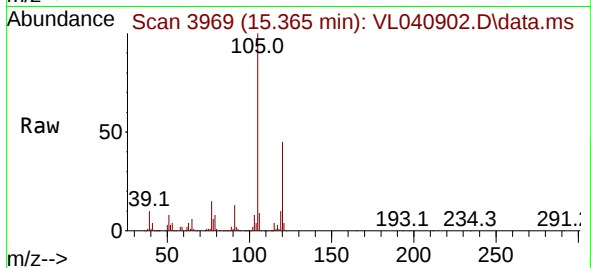
120 45.1 36.8 55.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#74

1,2,4-Trimethylbenzene

Concen: 10.113 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Tgt Ion:105 Resp: 2519589

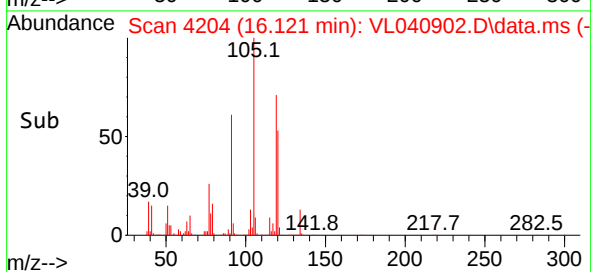
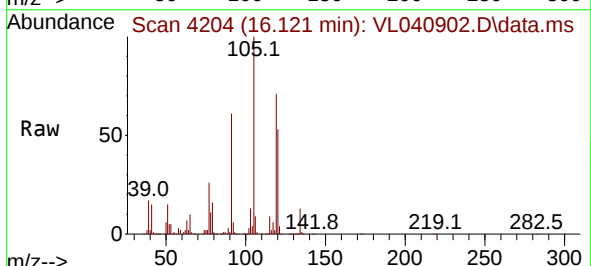
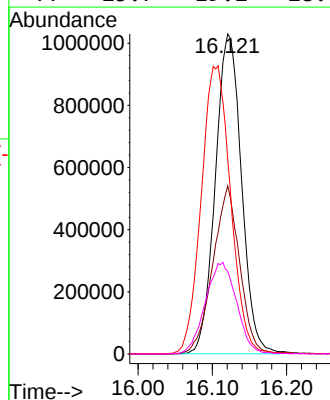
Ion Ratio Lower Upper

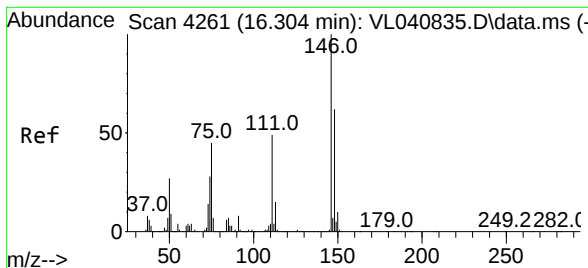
105 100

120 52.3 40.2 60.2

91 60.7 45.7 68.5

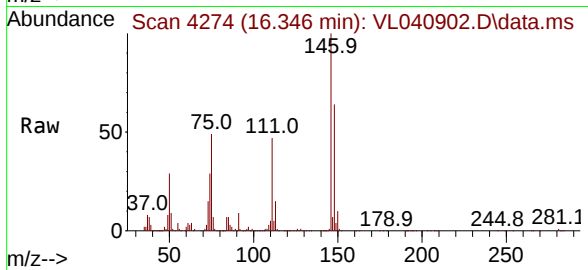
77 25.7 19.2 28.8





#75
1,3-Dichlorobenzene
Concen: 10.188 ppbv
RT: 16.346 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

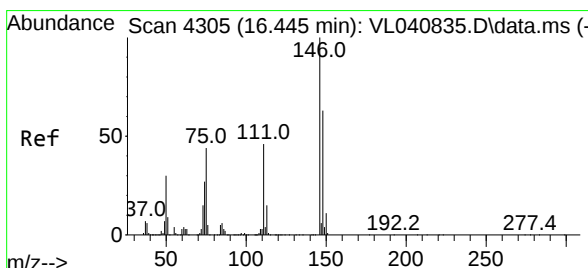
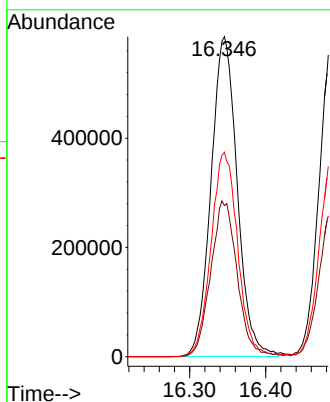
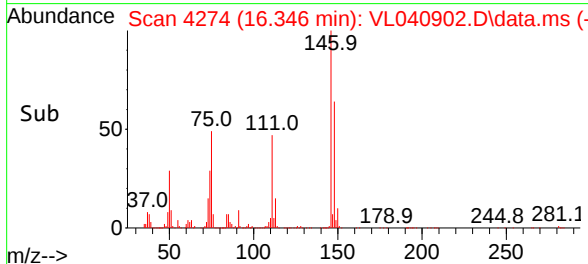
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



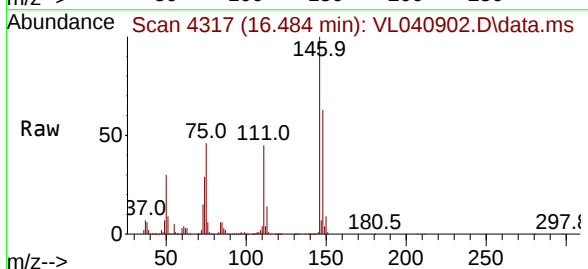
Tgt Ion:146 Resp: 140145
Ion Ratio Lower Upper
146 100
111 49.3 24.9 74.8
148 65.2 32.1 96.5

Manual Integrations
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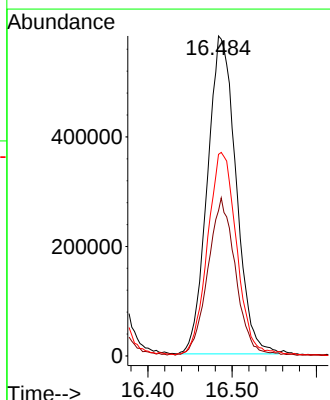
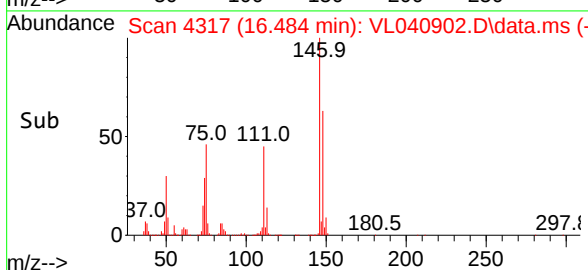
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023

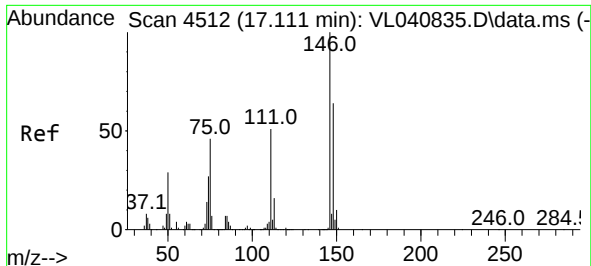


#76
1,4-Dichlorobenzene
Concen: 10.410 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32



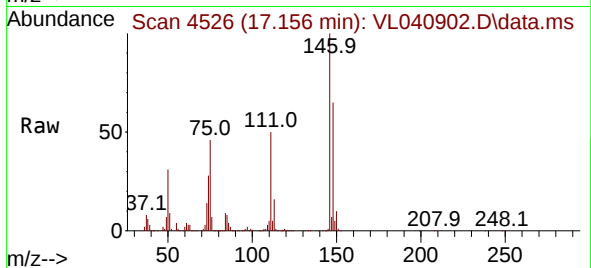
Tgt Ion:146 Resp: 1371061
Ion Ratio Lower Upper
146 100
111 49.1 24.1 72.4
148 65.7 32.3 96.9





#77
1,2-Dichlorobenzene
Concen: 9.969 ppbv
RT: 17.156 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

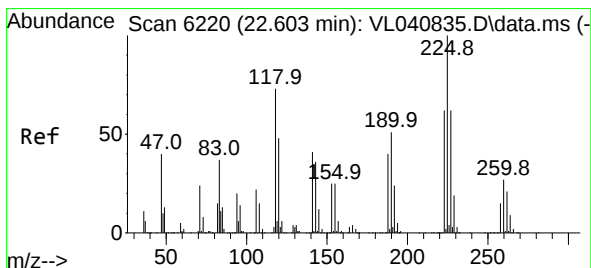
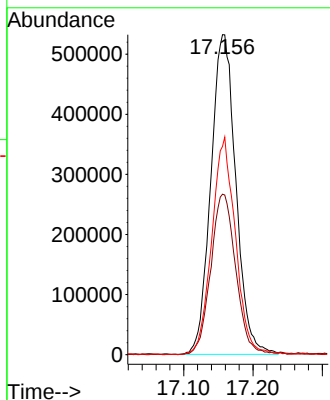
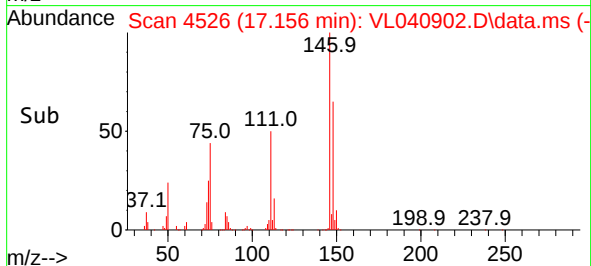
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion:146 Resp: 1333380
Ion Ratio Lower Upper
146 100
111 50.4 25.7 77.1
148 64.6 32.3 96.9

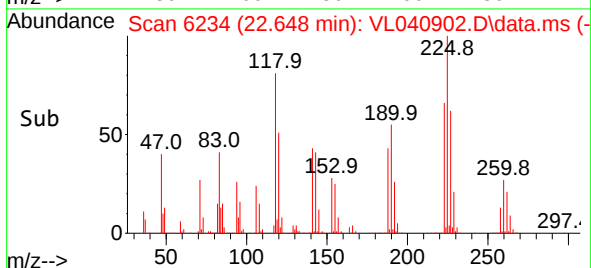
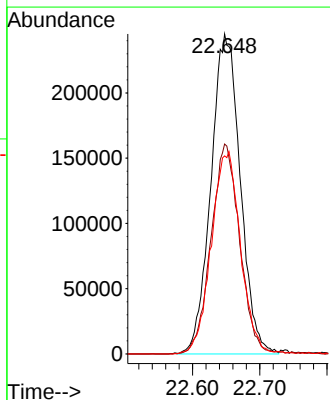
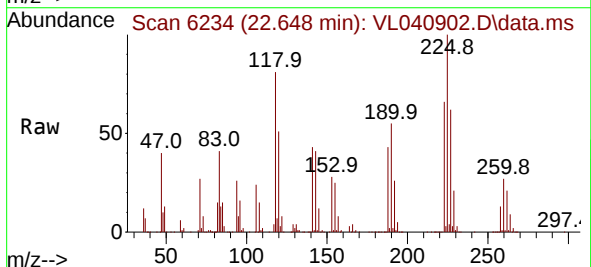
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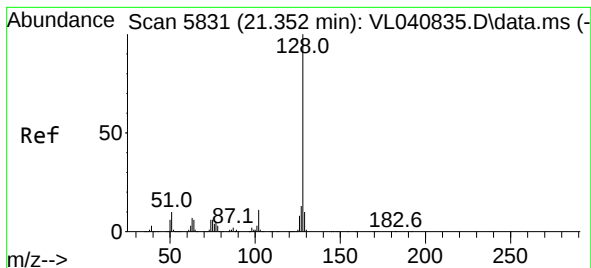
Reviewed By :Semsettin Yesilyurt 11/28/2023
Supervised By :Mahesh Dadoda 11/28/2023



#78
Hexachloro-1,3-Butadiene
Concen: 8.868 ppbv m
RT: 22.648 min Scan# 6234
Delta R.T. 0.000 min
Lab File: VL040902.D
Acq: 27 Nov 2023 9:32

Tgt Ion:225 Resp: 742655
Ion Ratio Lower Upper
225 100
223 64.3 51.1 76.7
227 63.2 50.8 76.2





#79

Naphthalene

Concen: 11.986 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 153483

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

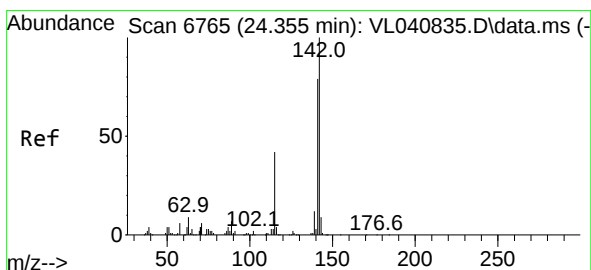
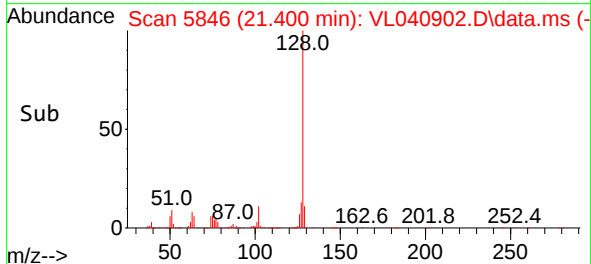
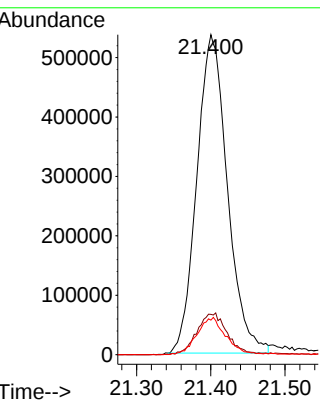
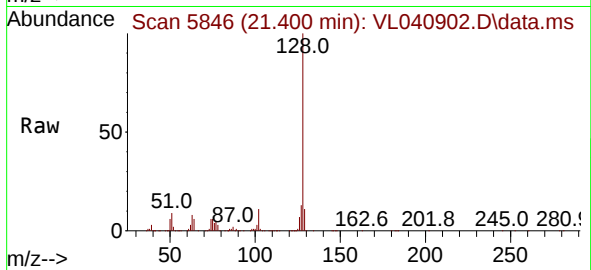
129 10.8 8.3 12.5

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Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023



#80

Naphthalene,2-methyl-

Concen: 10.536 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.000 min

Lab File: VL040902.D

Acq: 27 Nov 2023 9:32

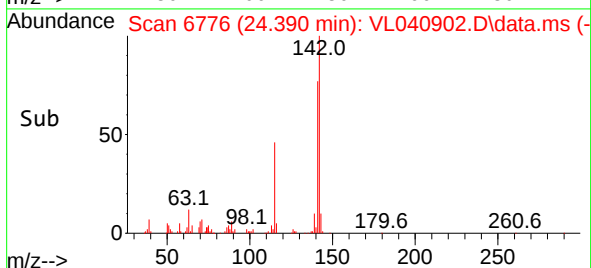
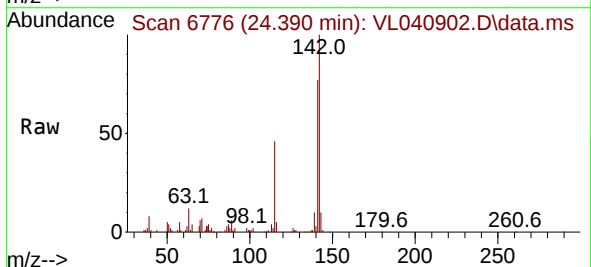
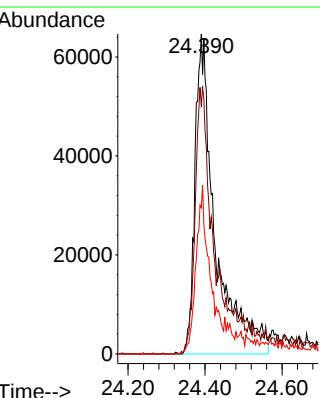
Tgt Ion:142 Resp: 238142

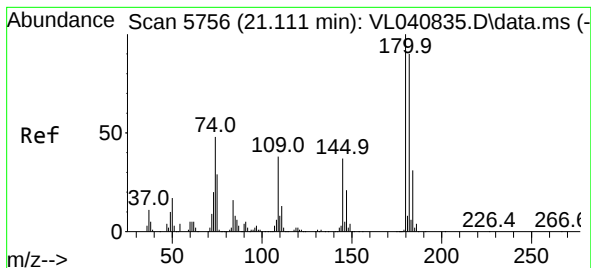
Ion Ratio Lower Upper

142 100

141 76.6 65.8 98.8

115 41.2 35.6 53.4





#81

1,2,4-Trichlorobenzene

Concen: 10.279 ppbv

RT: 21.156 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040902.D

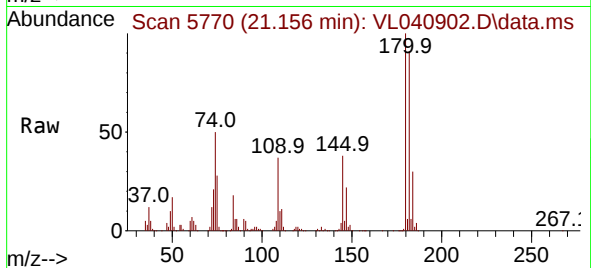
Acq: 27 Nov 2023 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 800163

Ion Ratio Lower Upper

180 100

182 98.8 77.6 116.4

184 30.7 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/28/2023

Supervised By :Mahesh Dadoda 11/28/2023

